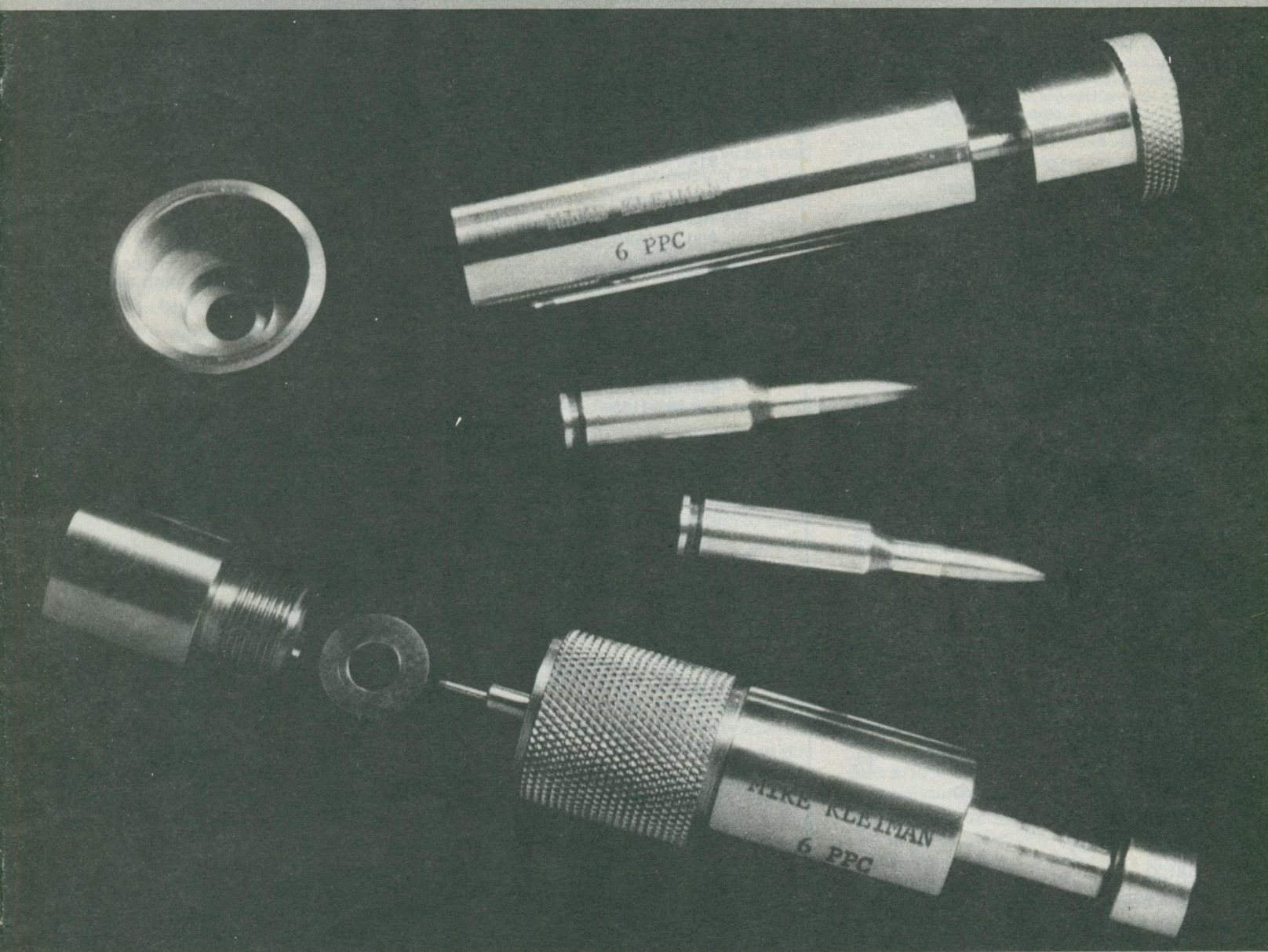
MAY, 1982
Vol. 28 — No. 1
$1.00

Precision SHOOTING

a magazine for shooters by shooters



PRECISION SHOOTING

PUBLISHED MONTHLY BY PRECISION SHOOTING, INC.

Editorial Offices
133 State Street Augusta, Maine 04330
Tel. 207-622-1711

Business Offices
Michelle Sutton
P.O. Box 30 Lafayette, N.Y. 13084

Editor (pro tem) — Dr. A. H. Garcelon
President — Dr. A. H. Garcelon
Vice President — Dermot C. Reilly
Treasurer — Michelle Sutton
Corp. Clerk — Allie Euber

Precision Shooting (USPS 441840) is published monthly by Precision Shooting, Inc. Rates: U.S., Canada and Mexico $10.00 a year; $18.00 for 2 years; all other countries $12.00 each year. POSTMASTER: Send address changes to Precision Shooting, Inc., 133 State Street, Augusta, Maine 04330.

Place of Publication — Elmira Quality Printers, Inc., Elmira, New York. Second-class postage paid at Elmira, New York.

NOTICE TO ADVERTISERS

PRECISION SHOOTING is printed by offset. Display copy is to be furnished by the advertiser. Advertising plates will be made from negatives, good black and white glossy prints or clear copy. Displays will be made to Advertiser's specifications. All normal composition will be set according to our own standards. Rate cards will be mailed to Advertisers on request.

Advertisers Index

Bonanza Mfg. Co. 18
B-Square 17
Custom Products 6
Decker Shooting Products 28
Douglas Barrels 7
Englishtown Benchrest Shooters 7
Fajen, Reinhart 16
Fowler Shooters Supply 4
Hart Rifle Barrels 28
Heatbath Corp. 6
Hidalgo, Tony 9
Hodgdon Powder Co. 5
IBS Memo 3
Kleiman, Mike 18
Mainville Sportsman Club 15
Malsby Bullets 18
Masker, Seely 17
Matco 9
Mattteson, M. 3
MTM Molded Products 9
Painted Post Field & Stream . . 17
Pease, Bob 13
Pocono Gun Shop 6
P.S. Binder 2
Saunders Gun & Machine 5
Shilen Rifles, Inc. 11
Trading Post 28

PS STAFF

EDITOR PRO TEM & PRESIDENT:
Dr. Alonzo H. Garcelon
133 State Street
Augusta, Maine 04330
207-622-1711

COLUMNISTS:

Technical Editor
M. H. Walker
R.D. 1, Warren Road
Mohawk, N.Y. 13407
Winter 813-687-4988
Summer 315-866-6971

Benchrest - Feature
Lt. Col. Rick Hornbeck
R.D. 2, Box 220
Pine Bush, N.Y. 12566
914-744-3978

Benchrest Down Under
The Australian Scene
Ann Brummell
24 Septimus Ave.
Punchbowl, N.S.W.
Australia 2196

"Our Wandering Philosopher"
David D. Brennan
37 Burnham St.
East Hartford, Conn. 06108
203-643-1155

"In House Gunsmith"
Seely Masker
261 Washington Ave.
Pleasantville, N.Y. 10570
914-769-2627

Subscription Notices
Michelle Sutton
P.O. Box 30
Lafayette, N.Y. 13084
315-677-9466

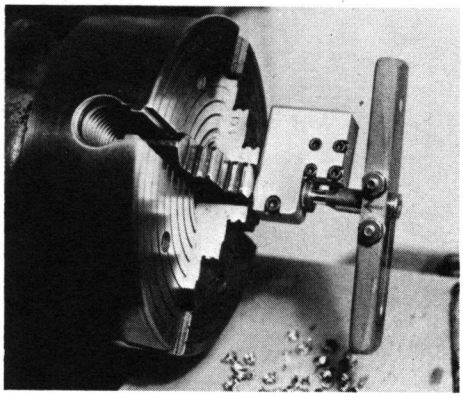
Deputy Editor for Southwest
Robert Pease
P.O. Box 787
New Braunfels, Texas 78130
512-625-1342

Our Expert in Northwest
L.E. "Sam" Wilson
Box 342
Cashmere, Wash. 98815

Official Meteorologist and Correspondent for Antarctic and Arctic
Austin Hogan

Our Match Report Expert
Geza J. Nagy
436 South 5th Ave.
Highland Park, N.J. 08904
201-247-0236

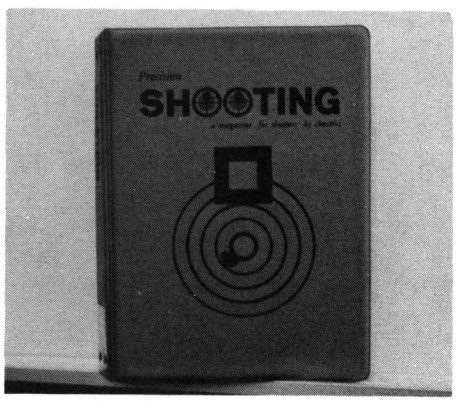
— Tips —



Using lathe, about 35 R.P.M., non-stop operation, results in smoother and more uniform necks within .0001. T bar case holder never slips.

BACK ISSUES

Now available — $2.00 each when in stock. Write: James Hart, R.D. 2, Lafayette, N.Y. 13084.



PRECISION SHOOTING BINDER

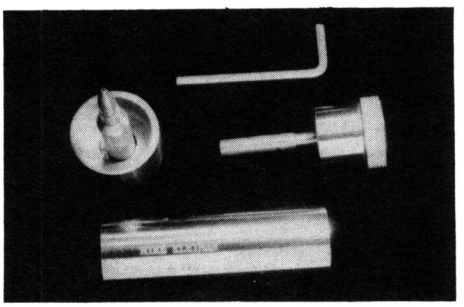
Precision Shooting Magazine has the perfect answer for the problem of storing the back issues that you are saving so carefully.

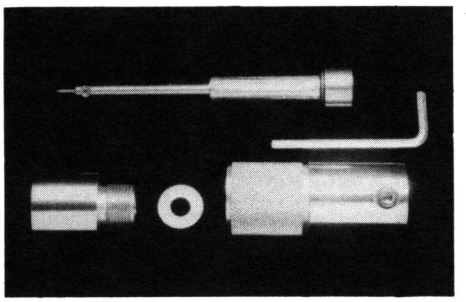
A Precision Shooting binder will hold a complete year of either the old size (pre March 1973) or the new size magazine. This binder, with an attractive small group printed on the cover, is available for your use. The vinyl binder is shipped in a cardboard cover and is complete with wires to hold the issues in place. **Now available in red and green.**

To order your binders send $7.50 ppd. each to James Hart, R.D. 2, Lafayette, N.Y. 13084.

FROM THE EDITOR'S DESK

I opened a package today and got a thrill — no it didn't contain a rattlesnake. Inside were three items related to handloading. A neck sizing, decapping die, a straight line bullet seater, and a neck turning device with a micrometer adjusting attachment.





First, I've got a lot of gun gadgets, many made by highly skillled machnists. Starting way back in days of Al Marciete, John Warren, Clyde Hart, et al. These men were acclaimed as gunsmith's gunsmiths. The workmanship was beautiful, the precision unbelievable. Well, these new gadgets are of that quality!

Second, in the bench game, where one loads at matches, one looks for simple, uncomplicated, precise, weight-economical tools to carry on trips to tournaments. These new tools fit into this category. They are not only beautiful to look at, they are accurate, adjustable when necessary, light weight, compact and serve the purpose intended — precise reloading for a particular rifle.

One can use the basic tools with some additional bushing etc. to make them serve more than one gun.

The Neck Turner with the micrometer adjuster is made by Central Products for Shooters Inc., 435 Route Eighteen, East Brunswick, NJ 08816. Phone 201-545-0300. This is basically Walt Pierra's outfit, as most know Walt is a top shooter. By using different mandrels one can neck trim various calibers, and by using the micrometer one can trim different make cases to same neck thickness and the length of the trim can be controlled as well. It is a simple tool to use and with competition the way it is today neck turning is an essential procedure. I have two neck trimmers already, but this is the best I've seen. I plan to make good use of it.

Now, as for the custom bullet seating and decapping die and the straight line bullet seater I'd heard rumors, good things I might add, that a nice guy named Mike Kleiman was producing a top notch product. I had seen his ad in P.S. for some time, and since I had rebuilt my heavy bench gun (new Hart barrel and of course new chamber) I decided to do what I had been preaching — patronize a P.S. advertiser.

So, I sent Mike six fire formed cases, and an order for a die of particular neck size and a bullet seater. I must say I'm more than pleased — I'm "happy as a lark" as the saying goes. I looked for things I might criticize, I didn't find any. The workmanship is perfection.

Custom fitted reloading dies are the ultimate in precision hand dies for those who want their rifles to perform at their best. These are patented and the neck sizing dies are unique, featuring free floating sizing buttons that can be changed easily to accommodate to bullet and/or neck sizes if you want to change them for any reason. Incorporated into Mike's sizer is a primer decapping assembly that remains as part of the main body. Both dies are highly polished and fitted to the cases without slop or play.

The bullet seater uses the proven straight line system and is easily adjustable so it goes with the sizer to make a set. All one would need to go with it is a powder measure and one of Homer Culver's (or Wally Hart's) primer seaters.

Mike Kleiman's address is 11 Salem Road, East Brunswick, NJ 08816 and his phone is 201-238-4487. Delivery time is about 4 weeks he tells me.

I recommend without qualification both of these tools.

— AHG

SINGLE-SHOT FALLING BLOCK

Rifles and actions. Based on W. Hauck's Patent, for the strongest single-shot ever made.
For information, please write, **M. Matteson, Otsego Road, Canajoharie, N.Y. 13317**

INTERNATIONAL BENCHREST SHOOTERS

IBS OFFICERS

PRESIDENT
Robert A. White
R.D. 1 North Rd.
Chester, N.J. 07930
Phone: 201-879-6122

1ST VICE PRESIDENT & MATCH SCHEDULE CHAIRMAN
Joseph E. Higgins
84 West Center St.
Nesquehoning, PA 18240
Phone: 717-669-9215

2ND VICE PRESIDENT
Woody Cahall
105 Odessa Ave.
Wilmington, Delaware 19809
Phone: 302-328-4131

TREASURER
John Moulthrop
804 W. Lockhart St.
Sayre, Pa. 18840
Phone: 717-888-1675

SECRETARY
Charles Fountaine
R.D. 2
Fort Ann, N.Y. 12827
Phone: 518-632-5648

PAST PRESIDENT
Wallace E. Hart
Montgomery St.
Nescopeck, Pa. 18635
Phone: 717-752-3481 Days
717-752-3776 Evenings

RECORDING SECRETARY
Evelyn Richards
411 North Wilbur Ave.
Sayre, Pa. 18840
Phone: 717-888-0440

IBS Memo

IBS Targets — Charter and Life Members

100 or 200 yard benchrest targets are $24.30 per 500. 300 yard benchrest targets are $24.30 per 500. 100 yard hunter targets are $14.85 per 250. 200 yard hunter targets are $16.95 per 250.

All target orders, as usual, are figured with a 10% discount for affiliated clubs, plus handling and shipping charges.

Mail order to: Evelyn Richards, 411 N. Wilbur Ave., Sayre, Pa. 18840.

The annual membership fee is $15.00 — Life membership in IBS has been set at $125. Apply to the recording secretary for enrollment. IBS Affiliated Club Membership $15.00

New rule books now available, with minor changes — plus IBS By-Laws at $1.00 per copy.

IBS Charter Membership Patches and regular patches are available at $2.00 each.

When ordering **Charter Membership patches,** please indicate your 1970 Card Number.

Benchrest Supplies

ACCESSORIES

Bushnell Lt. Wt. 1" Scope Rings, pair ... $ 11.97
Bushnell Prof. Bore Sighter ... $37.50 ... Arbor $ 7.50
Bushnell Sentry Spotting Scope, 20X or 32X ... $116.25
Bushnell Shooting Glasses, yellow ... $ 27.50
Davidson V-Type Barrel Vise ... $ 29.00
Decker Rifle Vise, Benchrest Model ... $ 38.13
Bill Hall Bolt Holster ... Plain $5.75 ... Fancy $ 8.50
MTM Caseguard 50 Cartridge Boxes ... $ 2.40
MTM A 760 Shooters Accessory Box ... $ 19.95
Norton Sonic II Ear Valves, pair ... $ 4.95
Norton Ear Puff soft foam plugs, pair ... $ .49
Silencio RBW 71 Ear Muffs ... $ 8.00
Silencio Liq 71 Ear Muffs, liquid filled ... $ 12.75
Tuller Sand Bags ... Front $6.15 ... Rear $ 10.95
Wichita Rests ... Alum., $59.95 ... Iron ... $ 79.95

ACTIONS & TRIGGERS

Hall Stainless Steel Std. Action ... $495.00
Hall Stainless Steel Big Action ... $595.00
Hart 2 oz. trigger ... $ 79.69
Shilen 2 oz. Trigger ... $ 68.00

BARRELS

Hart S.S. Match Barrel ... $175.00
McMillan S.S. Match Barrel ... $197.95
Shilen S.S. Select Match Barrel ... $171.00

BRASS

Sako .220 Russian (PPC) Cases ... .46 ea.
Federal .222 Nickel Match Cases, Box of 20 ... $3.84
Federal 6x47 Nickel Match Cases, Box of 20 ... $5.40
Federal .308, Nickel Match Cases, Box of 20 ... $5.17

BULLETS

Bruno 6mm 63, 65 or 70 gr., B.T. Match, Box of 100 ... $10.00
Earp .22 cal 52g Match Box of 100 ... $ 9.00
Earp 6mm 65g Match Box of 100 ... $10.00
Malsby .22 cal. 52g. Match, Box of 100 ... $10.00
Malsby 6mm 62½, 68 or 70g. Match, Box of 100 ... $11.00
Watson .22 cal. 52g. Match, Box of 100 ... $ 9.70
Watson 6mm 62½, 65, 68, or 70g. Match, Box of 100 ... $10.95
Sierra .22 cal 53g HPBR Box of 100 ... $ 6.80
Sierra .22 cal 52g HPBT Box of 100 ... $ 6.87
Sierra 6mm 70g HPBT Box of 100 ... $ 7.92
Sierra .30 cal 168g International Box of 100 ... $11.89

BULLET MAKING

J-4 .22 cal x 705 Match Jackets ... $26.80M
J-4 6mm x 750 or 825 Match Jackets ... $29.58M
Sierra 22 x 705 Match Jackets ... $26.40M
Sierra 6mm x 740 or 810 Match Jackets ... $28.16
Sierra 30 x 1 150 Match Jackets ... $37.55
Avril Lead Wire .3 .16 or 15/64 25 lb
MTM Plastic Bullet Boxes .22 or 6mm

CLEANING EQUIPMENT

Brite-Bore Special Brass Core Bronze Brushes, .22, 6mm or .30 cal ... dozen, $10.65
Dorsey Delrin Rod Guide ... $ 9.95
Hoppe's No. 9 Solvent - 2 oz $1.00, 4 oz $1.85, pint $4.00, quart $6.75, gallon $24.35
Hoppe's Cleaning Patches - 100 pack ... $ .65
Parker-Hale .22/6mm 37" Rod ... $12.50
Parker-Hale .22/6mm 44" Rod ... $12.50
Parker-Hale .30 cal 37" Rod ... $12.50
Parker-Hale Brush Adapter ... $ 2.15
Tri-Flon ... 1 oz., $1.49 ... 3 oz., $2.62 ... 16 oz., $5.21
Parker-Hale Extra Jag ... $ 1.75
Sinclair Action Cleaning Tool ... $ 8.00
MTM Bore Guide ... $ 3.37

GUN CASES & SAFES

Gun Guard 101 Hard Case, 48 x 9 x 4 ... $ 34.03
Gun Guard 202 Hard Case, 52 x 11½ x 4 ... $ 38.56
Gun Guard 252 Hard Case, 52 x 13½ x 4 ... $ 41.67

Treadlok 602 Steel Security Chest ... $423.00
Treadlok 201 Steel Security Chest ... $427.00
Pro-Steel Security Vaults ... from $541.00

LOADING TOOLS

Bonanza Inertia Bullet Puller ... $ 9.97
Bonanza Co-Ax Press, with shell holders ... $ 75.44
Bonanza Full Length Sizing Die ... $ 11.57
Bonanza B.R. Powder Measure ... $ 25.80
Culver/Lyman Powder Measure ... $124.50
Jarrett Neck Expander - 22 to 6mm or 7mm ... $ 17.50
Jones Sizing Die - less bushing $17.50 ... Bushing $ 4.00
Jones Decapping Tool - less mandrel $15.00 ... Mandrel $ 5.00
Kelbly Long Plastic Drop Tube ... $ 6.00
Lee Auto-Prime with 2 trays ... $ 9.74
Lee Shell Holders for Auto-Prime ... $ 1.49
Lyman #55 Powder Measure ... $ 32.65
Lyman Universal Case Trimmer ... $29.31 ... Pilot ... $1.30
Lyman D-7 Scale ... $ 28.65
Mitutoyo 0-1" outside micrometer, tenths ... $ 42.00
Mitutoyo 0-1" ball micrometer, tenths ... $ 52.50
Mitutoyo 4" dial caliper, thousandths ... $ 52.00
Sinclair Arbor Press ... $ 64.50
Shafer Arbor Press - heavy duty ... $ 82.50
Sinclair Flash Hole Deburrer - large or small hole ... $ 10.50
Sinclair Primer Pocker Cleaner ... $ 3.75
Sinclair Neck Turner, less Mandrel ... $ 29.95
Sinclair Mandrel (specify caliber) ... $ 6.95
Sinclair Case Holder (specify caliber) ... $ 5.95
Wilson Case Trimmer - less case holder $16.76 ... Case Holder $ 2.63
Wilson Full Length Resizing Die ... $ 10.31
Wilson Bullet Seater ... $ 20.63

POWDER

Du Pont 4198, 4895, 3031, 4064, 4350 - 1 lb ... $10.76
4198, 4895 - 8 lb ... $82.56
Hercules Reloder 7 ... 1 lb. ... $ 8.74
Hodgdon H-4198, H-322, H-4895, H-4831 - 1 lb ... $ 9.40
8 lb ... $70.80
Hodgdon H-335, BLC-(2), H-380 1 lb ... $ 8.76
8 lb ... $65.88
Winchester 748 ... 1 lb ... $ 8.30
8 lb ... $57.80

PRIMERS

Federal 205M or 210M Match Primers - 1M ... $13.50
Federal Standard Rifle or Pistol Primers - 1M ... $ 9.80

SCOPES

Leupold 36X ... Crosshair ... $211.95 ... Dot ... $230.99
Lyman 6XSL ... $151.50
Lyman 20XLWBR ... $178.81
Lyman 25XLWBR ... $196.12
Lyman/Siebert 20/30 LWBR ... $229.95
Lyman/Siebert 25/36 LWBR ... $249.95

STOCKS & SLEEVES

H-S Precision Accu-Bed Kit ... $ 4.95
McMillan Fiberglass Stocks ... $ 95.00
Six Unlimited Stock, Hall Pattern ... $115.00

Above items are regularly in stock for immediate delivery. Please send payment with order, and include enough for shipping charges - we refund overage. Minimum order $10.00. FFL required for bullets, primers, cases or powder shipped out-of-state. Prices subject to change without notice. Write for our complete price list.

Dealers - send signed copy of your FFL and sales tax certificate (in Texas) for our confidential dealer price list.

FOWLER
SHOOTERS' SUPPLY
P.O. Box 6421 - Midland, Texas 79701
Phone - 915-563-4341 (In Texas)
Toll Free - 800-351-1466 (other 47 States)

Dear Doc:

Have letter. Note you have a partner. What in hell does D.M.D. stand for? All I can think of is Doctor of Medieval Dentistry.

Audette's article in PS was very good. For some time I have been squaring case heads with a hardened Vee block and trimmer cutter setup. That eliminates one source of possible "off" shots. I have often noticed that many cases expand with an offset which could be caused by the brass being thicker on one side than on the other (hence stronger) but I have also wondered if it isn't caused in some cases by the brass being harder on one side than the other. That would be a pretty tricky thing to test — the hardness variation. We have a Rockwell hardness tester but I doubt if the support of the case in the tester would reveal a significant difference. I admit I have never cut cases in two to see if the swell is always on the thin side. There are so many things to be careful about in preparing match ammo there seems to be no end to it.

Right now I am making reamers for the 7 m/m IHMSA. There seems to be no end to these wildcats, either. I am also making reamers for an experiment that I want to complete this winter. Maybe nothing will come of it but I can't resist the temptation to find out. I am making up some sample cartridge cases out of steel and will eliminate out of squareness and other things. More later. If I live long enough maybe I can contribute a few other things having to do with accuracy of firearms.

Snowing lightly this morning. About 8" on the ground around here and it was 25 above this morning at 6:00. Been down to 15 this week but things will open up shortly and the flowers will be blooming.

I have an appointment with my prostate specialist tomorrow. Been on a two week run of capsules, two a day, that cost $1.80 each. Going to tell the doc that they have no side effects except on my pocket book.

I forgot to mention that if you use the trimmer cutter to face case heads square and the cases are used you will lap the keen edge off the cutter. Grit on case heads will remove the keen edge in about fifty facings. On new brass the cutter will stand up a long time.

Sam Wilson

Lense Covers

A few months ago Rick Hornbeck made some comments about the absence of lense covers for some of the expensive scopes on the market. To make matters worse they are not readily available for some scopes.

I think they should be furnished by the maker even if at extra cost. With scopes going at three hundred plus bucks, who's going to kick about a bit more for the means of protecting his investment.

I have tried three suppliers for these with no success. Now this puts a burr under my saddle and the "Old Hoss" is getting hard to live with.

When I spend a lotta dough for a scope and upon reading the instructions am told to go elsewhere for lense covers I begin to feel "ripped off"! I wrote about this several years ago, I was P'd then and still am.

Some makers do furnish them and I give them credit. I can name some: Lyman, Unertl & Weaver. There are others too probably.

The Leupold instruction sheet states on page 6, quote: "Lense Covers: Rubber and leather lense covers are available from several manufacturers." I would like to know who they are. I'll buy 'em.

I would like to see some response to this from interested people. If I do not I will conclude that no one cares and if you don't care neither will the manufacturer.

Seely Masker

Hi Seely

Just finished reading your article in P.S. I feel that you may like to know that the 250-3000 has been shortened and with a fair amount of good results. In the late 50's Clair Hollingsworth of Rapid City had reamers made and chambered 3 rifles. George Gleason and myself got the ones he sold. George — at a Registered Match at Custer SD — shot a 50 shot agg of .49+. That was before any records were honored in the Sporter Class.

I sold my rifle and managed to buy George's later. I still have it. It was a winner for several years and I retired it long ago.

Took it out a couple of months ago and shot 5 that were loaded 5 years ago with Sierra 70 gr bullets and 34 gr 380, 6X scope and got well under a half inch — and was not trying.

Thought you would like to size up the cases — maybe you could get an idea or two.

Harold Bing

Dear Harold:

Thank you for your letter of 2-17-82, and the cases you sent (shortened 250-3000).

I thought they looked familiar so checked them against my 6mm International head space gauges. They are identical except for the 25 caliber necks, of course. So I guess you'd call 'em 25 International?

I'm sure these cases would shoot very respectably, however, the 6mm Int. never aroused much interest or at least it didn't last long in "Benchrest". I have often thought that case would have done better with a bit less body taper and a little shorter with a 30° shoulder.

When you say late 50's you have the advantage of me as I wasn't even a benchrest shooter at that time.

I started benchrest at Millerton, N.Y. with the late John Dewey and his Sno-Ball matches.

I had a 6mm Int. at one time. It was a good shooter and killed a lot of woodchucks. I never got the best out of it mostly because the reamer was of large neck design and I had never heard of turning necks.

I've been playing with a couple of cases of my own idea lately. Two are on the 225 Win. case, one full length with a 30° shoulder and the other shortened to .219 Donaldson length. Last Sunday Tom Swack shot this one at Dunham's Bay Club and was 4th out of 27 shooters with a .331 agg. for 5 groups. I call it 6 S.M.

I also tried making P.P.C. cases from Swift Brass but results were poor. Another case I really like is my 270 SM (Short Mauser). The chamber is cut with a Std. 270 reamer, using 8x57 head space gauges. It is 270 x 8mm almost, but with the larger 270 average neck. With the right loads it is capable of 1/2" groups or better. I made this case because of the short magazine of the Mausers. I wanted to seat bullets out without magazine alteration. To make cases I just cut off the proper amount from the base of the die, (8x57 headspace gauge minus .125).

I'll be ordering another reamer, a 6x44. This case holds IBS Hunter Class records and championship.

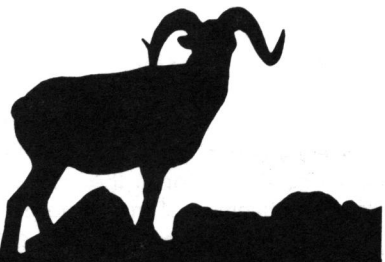
Hope all this interests you.

Seely

Mirage Shields for most Target Scopes 11.00
Remington Trigger Conversions 24.00
Special lengths — add $1.00
Send SASE for information, add $1.50 for shipping each order.

SAUNDERS GUN & MACHINE SHOP
145 Delhi Road
Manchester, Iowa 52057

When you only get one chance



You wait a lifetime for a trophy like this. You're confident because you know your gun and your ammunition. You have loaded it for just the stopping power you need.

As a handloader you have been able to afford that extra practice you need for this shot. Easy now, he's all yours.

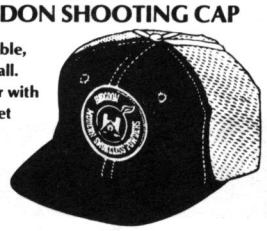
When one chance is all you get, you'll be glad you are using Hodgdon Powder.

Hodgdon gives you 22 different powders to choose from, offering you more variety of burning rates than any other brand.

Be it benchrest, trap, skeet or muzzle loading Hodgdon Powder Co. offers you the finest.

HODGDON SHOOTING CAP

Fully adjustable, one size fits all. Very popular with trap and skeet shooters.



HODGDON POWDER COMPANY
7710 West 50 Highway
Shawnee Mission, Kansas 66202

☐ Please send me _____ shooting caps at $4.50 each.

Name _____

Address _____

City _____

State _____ Zip _____

HODGDON POWDER CO.
SHAWNEE MISSION, KANSAS 66202

Dear Doc:

After reading the articles in PS and the decision made at the winter meeting regarding replacing one 10½ lb. gun with the HB class (cruiser class), it is our feeling at Mainville that this must be tried as often as possible to see if it is workable. As the Nationals will be the only place that the new 3-gun format will be tried in 1982, we feel that this will not be a good indicator of the workability of the new decision. Since George Kelbly has a 50 bench range and has asked to make the Nationals a 5-day program, we, at Mainville, are going to take the June 12 & 13 match at our club and test the feasibility of the new decision.

Basically this will be the way we will be conducting this shoot. In the morning the competitors will be shooting LV first and we will complete this class entirely. Next up will be HV and we will complete this class entirely. Here is where the new change will be taking effect: the HB will then shoot and this will complete the days shooting schedule. Now before everyone jumps up on their reloading benches and start screaming it won't work, think it over.

(1) The shooters can now, as before, bring either their sporter or LV to shoot LV & HV; then use their HV gun in the HB class. By using your sporter or LV for LV & HV you could eliminate the need for two powder measures causing less confusion and fatigue on you.

(2) Putting the HB in a time slot all its own — instead of alternating classes — will permit the HB shooter to move his equipment to the next bench in rotation without interference from another class. This will not add any additional time to the days program.

(3) Most important this will give us a chance to see if it is possible to run a 3-gun agg at the Nationals and also the competitors will have a chance to try the 10 shot HB class before the Nationals. Along with the range agg trophies, we will be presenting first, second, third, and fourth place **3-GUN AGG AWARDS.**

We realize anything new is not readily acceptable until time tested. But, since we only have one year in which to make this major decision involving the HB gun vs two 10½ lb. guns, it is imperative we all, IBS, PS, competitors, and host clubs work together. We as the host club are doing our part by offering you the chance to try the new format. We ask that the competitors do their part and try shooting it and IBS and PS do their part by promoting it. Although this seems like an advertisement for our shoot, it is not intended that way. In our experience the HB class has been a losing proposition to any and all host clubs. Therefore, anything we can do to increase participation in this class is going to benefit everyone.

William Creasy
Mainville Sportsman Club, Inc.

P.S. The same format will be in effect at the 200 and 300 Yd Championship on July 17 and 18.

Dear Mr. Garcelon:

It was nice of you to send me the copy of Precision Shooting which included my chapter on priming. I am quite sure Precision readers will find it of interest and it will clear up some questions for many reloaders.

I am spending the winter here in Arizona, doing some accuracy work with the 6PPC and the 6RemBR. It just seems impossible to fire a five shot group with these rifles where the shots do not touch each other. Yesterday I had a group 1/10 inch which is one inch at 1,000 yards! Years ago one inch at 100 yards was tops.

Members of Precision Shooting have made a great contribution to the science and art of rifle shooting. I note that many rifles being made today have also improved. Chambers are tighter and cases are better.

Thanks for remembering me.

C. E. Purdie

Dear Doc:

Before I get into the reason for writing this letter, I want to say again as I did at the NRA Convention, that Precision Shooting is getting better. You missed your calling or maybe you are a three letter man. The February issue came this morning and I have read it already. I have a couple of friends that ask me questions I can't answer and I will pass it on with the request to return. I have all my copies since I joined in the mid 50s.

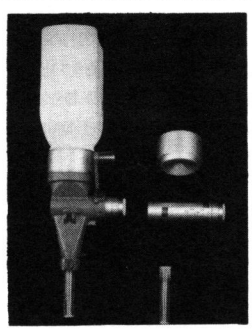
In your book report, you briefly discussed the A. D. Little Report. My shooting buddy and Emory Tooly's too is Col. Louis North. He is the one that was responsible for the A. D. Little Report. He was in the Pentagon at the time and followed it all the way through to publication. He is quite a guy and wears on his hat a 1/4″ square piece of shrapnel they took out of his heart in England.

I became acquainted with James B. Whisker, College of Arts and Sciences, Morgantown, West Virginia, when I sold him bullet molds for .38 and .44 zinc base bullets. Remember them? He was in the process of writing a book, The Citizen Soldier and United States Military Policy. I got the two of them together and Lou furnished Jim with an unabridged copy of

Firearm Refinishing Unit
for Pleasure or Profit

For the best in firearm refinishing, Heatbath offers you the very same process used by manufacturers in finishing guns and small parts. The Gunsmith Unit comes complete with tanks, burners and a supply of Pentrate® crystals (a patented superior "blueing" material for steel) and all equipment needed. You'll be proud of the appearance of your guns . . . and you can also make handsome profits refinishing weapons for friends.

Write for full details.
HEATBATH CORPORATION
P.O. Box 2978, Springfield, Ma. 01101

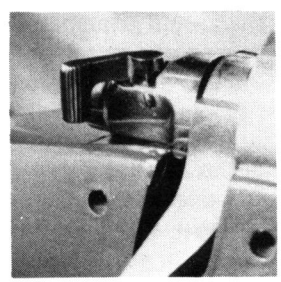


CUSTOM PRODUCTS

MICRO MEASURE

The powder measure conversion used by more benchrest shooters than any other. Guaranteed to repeat any pre determined setting. New converted measure available, or your measure converted and returned. Send No. 10 S.A.S.E. for illustration in catalog of products.

NEIL A. JONES
686 BALDWIN ST.; MEADVILLE, PA 16335



Winchester type bolt safety for the Remington 600, 700 and 40X.

Ideal for Hunter class competition. Fully bed your action yet meet the safety requirement of the rule book. **$50.00 on your bolt.**

Pocono Gunshop
John B. Cays, Jr., Gunsmith
R. D. 3, Box 3442
Stroudsburg, PA 18360
717-629-1741

the full report. The Report and comments about the Report's origin are included. I hope that you will find a copy.

This book was preceeded by Our Vanishing Freedom. This is also an excellent book. Get that one too.

His last book, The Right to Hunt, came out last year. It is also very good.

Jim wrote me that he was having trouble getting publicity. He finally had some in Gun Week and also either the Report from Washington or the Rifleman itself. I wrote to Harlon Carter about it, suggesting that here was a fellow writing about our kind of stuff and he should get all the support he warranted. The NRA writeup must have been in the works as it had the report too soon after to be my request.

If you watch "60 Minutes," the Sun City Posse will be featured. I heard it was seen in Massachusetts, but not here yet. If you see a fellow holding a target with a bullet hole outside the black that gave him a vasectomy, it was me.

Emory, Lou, a retiree from Massachusetts, an old bench rest shooter by the name of George Parker from Pennsylvania, shot in the big bore silhouette match at Black Canyon this month. Emory won first place in Class A with an 18. He had to shoot off a tie and got his ram and the other fellow missed. He is about due for Class AA. In January, he shot 8 pigs with 5 in a row. I shot 7 with 5 in a row. This is the most challenging sport I ever shot.

I see I am at the end of my paper. See you in Phoenix in 1983.

Chill Craig, 11831 Thunderbird Rd., Sun City, Ariz. 85351

Dear Doc:

The article in the February issue on primers and primer seating, by Clarence Purdie, was excellent and I am in agreement, with one exception.

On page 16, he refers to Remington and Winchester firing pins as .075″ diameter and states "This makes the radius of their spherical ends .0375″. It is a common misconception that the end of a firing pin should be a hemisphere. I have a print of the drawing for the Winchester 70. The diameter is given as .075″, ±.002″. The radius is given as .045″ ± .005″.

On a sporting rifle, such as the M70 or Remington 700 series, the actual depth to which the firing pin penetrates the primer averages about .018″ to .020″. A deeper indent, such as may be seen with some of the older, military rifles, is accomplished only by serious deformation of the crown of the anvil. This subject is well covered in Stuart Otteson's book, "The Bolt Action".

With a .075″ diameter pin and the mean radius of .045″, the point at which the radius joins the .075″ diameter is approximately .020″ from the end of the pin. This fulfills the requirement of the pin sealing the hole in the bolt face, giving best support to the primer and preventing what is termed "blanking," the condition where primer metal is extruded into the firing pin hole.

I have seen firing pin tips, polished by their owners, where a full radius was attempted. They often show extrusion of the primer into the firing pin hole, even with mild loads. To correct this means the purchase of a new pin. Hence, this letter.

Creighton Audette

ENGLISHTOWN BENCHREST SHOOTERS ASSOC.
****
WINTER LEAGUE H.V.
FEB. 27, 1982

1.	Ernie Whitsett	6PPC.....	.1624
2.	Geza Nagy	6PPC.....	.2644
3.	Don Gentner	6PPC.....	.2760
4.	Ed Welch	6PPC.....	.3156
5.	Bob White	22x30.....	.3446
6.	Bob Sahler	6PPC.....	.3796
7.	Dan Platukis	6PPC.....	.3842
8.	John Ventriglia	6PPC.....	.3930
9.	Willi Sahler	6PPC.....	.4024
10.	Howie Levy	6PPC.....	.4100

SMALL GROUP- Ernie Whitsett... .084
Twenty Competitors. It was 42 degrees with winds blowing from left to right. Conditions were fair for this time of year.

Ken Salvato (Corres. Sec.)

EQUIPMENT;
Ernie Whitsett - Hart barreled CPS action,Leupold 24X,Gunsmith-Masker, 28.2 H322 Euber 68BT.
Geza Nagy -Hart barreled CPS action, Leupold 36X,Gunsmith-CPS, 27.3 H322 Euber 69FB.
Don Gentner -Hart barreled Hart action smithed by Hart,28.2 H322 Ocock 69.

AIR GAGE BARRELS

FOR CLOSEST TOLERANCE — In "Chrome-Moly" and Stainless Steel. All calibers up to 458 Winchester. Blanks or Finished Turned in standard or target tolerance chambers.

Ask for free data on all our services.
DISCOUNTS TO GUNSMITHS.

Write to

DOUGLAS BARRELS, INC.
5504 Big Tyler Road
Charleston, West Virginia 25312

Englishtown Benchrest Shooters Assoc.

1982 MATCH SCHEDULE (IBS REG.)

May 8, 1982

N. J. STATE CHAMP. HEAVY BENCH 10-SHOT 9:00 a.m.
ALSO HEAVY VARMINT P.M. AFTER H.B. (NON TITLED)
TROPHIES — 1st, 2nd, & 3rd each class & 2-gun.
Large traveling trophy for H.B.
FEES — $10.00 1st gun $5.00 2nd plus $1.00 IBS

Aug. 28, 1982

N.J. STATE HUNTER AND H.V. FOR SCORE CHAMP.
HUNTER 9:00 A.M. — VAR. FOR SCORE P.M.
TROPHIES — 1st, 2nd, & 3rd each class & 2-gun.
Large traveling trophy for hunter
FEES — $8.00 1st gun $5.00 2nd (IBS INCL.)

Sept. 4 & 5, 1982

N.J. STATE VARMINT CHAMPIONSHIPS
SAT. SEPT. 4th HEAVY VARMINT — 9:00 A.M.
SUN. SEPT. 5th LIGHT VARMINT — 9:00 A.M.
TROPHIES — 1st, 2nd, & 3rd each class & 2-gun
Large traveling trophy H.V., L.V., & 2-GUN
FEES — $9.00 plus $1.00 — $10.00 each day

All 100 yards only

IT IS SUGGESTED TO BRING YOUR OWN FOOD AS ONLY VENDING MACHINE ITEMS CAN BE SOLD AT THE RANGE.

Geza Nagy 201 247-0236 days 201 572-1255 eve.

Hart Barrels . . . . The Early Days

by David D. Brennan
37 Burnham Street
East Hartford, Connecticut 06108

This will be the kind of article dear to an author's heart . . . find a subject of interest, perhaps one that never has had the full story, the correct story, appear in print, and ask the question of the recognized authority on the subject. If he — or she — recognizes his obligation to history, and gives you a half-way decent reply, you have accomplished your mission, your task.

In early January, I wrote to Mike Walker, poet laureate of the IBS, and one of the early pioneers of the sport, at that time spending the hard 1982 winter in Florida, and apparently not missing the sub-zero temperatures to such a point as to reduce him to tears.

"Dear Mike,

I have been reviewing the equipment listings of the competitors at the 1950 Johnstown match, courtesy of Bob Bump, who has provided me with a large amount of the papers of the Harvey Donaldson estate to review. The papers include a listing of all competitors equipment at the 1950 Johnstown match, as well as Harvey's targets, fired in that match. Absolutely great reading! The equipment listing shows a number of "Walker barrels" in use. I found four specific contestants listed as using them . . . Al Barr, Bill Cotter, Joel Hodge, and Mike Walker.

I can recall Al Angerman's series of articles in P.S., where he gave a capsule summary of the major items in the magazine 25 years before. At one point he remarked, "Walker barrels are now beginning to appear more and more in the equipment listing of a few skilled shooters. What are Walker barrels?" If memory serves me correctly, Al was reviewing the 1951-1952 era. Keep in mind that as of November, 1953 there had not yet been a single Hart barrel to appear in an equipment summary.

Yes indeed, what were these Walker barrels? Were they a 'missing link' in the evolution and development of what would become today's great barrels? Were they cut-rifling or button rifling?"

I have an excellent reply from Mike, and much of what he says has never before been published, to the best of my knowledge, and I was delighted to have a factual reply from the only guy that could be authorative on the subject.

"Dear Dave,

I do not believe that Jerry will object if I set the record straight on Hart Rifle Barrels. When I went to work for Remington in July of 1942, I was given the job of developing a new rifling system. In December of that year I successfully rifled barrels using a button process. The success of the process was based on the lubrication, construction of the rifling plug, and the rifling machine. At that time a Pratt & Whitney cut rifling machine was modified. Later a La Point broach was modified to do the job much more efficiently.

A large number of barrels (in the 100,000's) were rifled for the Springfield rifles then being made by Remington, using the process covered in patents issued to Remington under my name. The real value in these patents was in the lubrication and in the stress relieving. I might add that the addition of the air gage was an extremely important advancement. The bore scope in the form of the original American Cystoscope also helped in producing high quality barrels.

The original barrels were made with steel plugs. When tungsten carbide became available generally it was adopted for its improved lack of compressability.

I met Clyde and Charlie Hart at Johnstown in 1950. I believe Clyde won the championship that year. Championship was established then by shooting the best aggregate. It was not shoulder to shoulder until 1954 at Custer. I was NBRSA President at that time after helping get the organization started at meetings in Denver in 1949 and 1950.

Clyde evidenced a desire to make some good rifle barrels sometime in 1952. I designed and sketched a hydraulic machine. Charlie Hart, Clyde's father, had it built and working in no time. Incidentally, it is still working and rifling barrels. I bought a surplus P & W reaming machine for $25.00. We bought a barrel drill from Dermot Rielly and Hart Rifle Barrels was in business. Remington agreed that the 1000-2000 barrels per year was no competition for them. Hart was allowed to use the Remington button process. Walker provided the original know how and acted as the accountant. Let me tell you it was trouble, trouble, trouble for several years. Getting good steel was one of the major problems. Lot size purchases eventually solved the problem well enough that production of 1000 barrels a year was possible.

Since for me it was entirely an avocation, when it became the sole business for the Harts, I dropped out.

The Walker barrels you mentioned were made on P & W cut rifling machines at Remington. There were possibly 10 barrels on the line. They were the first stainless steel barrels of any importance. Sherer's barrels are made the same way on later machines.

Incidentally Sherer has made a high percentage of the good stainless cut rifled barrels since that time including the later Walker barrels. (I believe made in Kentucky). There is no connection between these and the original Walker barrels made in 1950 - 1952. I see by P.S. that Bob Sherer is now with Manchester Arms & Tool Co.

Charlie Hart made some of the first custom actions. I had one on an old heavy gun. Bob Bump has it now. These actions were made back in the early 50's, so were probably the first.

The area first used for Hart Barrels was the basement of a two apartment building used for parking cars and trucks. I would not call it a rendering plant building. Clyde and Micky as well as Clyde's sister and husband lived there. The rifling is still done in this area. (Author's note: my error, thank you for the correction. Scratch the rendering plant concept of history).

It's true that Hart Barrels caught on quickly. The first shooters to use them were Clyde, Charlie, Jerry, and Mike Walker. My wife and I used them as I recall in 1954 when we won everything in sight except the 200 yard Nationals at Custer. McNally was using one to win the 200 yard and the Championship. Chuck Hart was also one of the early shooters. He is Clyde's younger son. He was quite young then, probably only 12 or 13. He is now making a living in Sheridan, Wyo. as a lawyer.

Sincerely,
M. H. Walker"

Case Misalignment

by Marcy Lyons

This past May, I received the June, 1981 issue of the American Rifleman magazine. Creighton Audette had an article in it concerning cartridge case misaligment and its effect on accuracy. I read the article with some interest but really didn't give it too much thought (only benchrest shooters know about accuracy?!). (Additional articles by Mr. Audette have now appeared in the December, 1981 issue of Precision Shooting and the January, 1982 issue of the American Rifleman.)

However, a few weeks later I received a phone call from Mr. W.A. Tison of Houston, Texas. We both had had barrels chambered in 6-250 for our Hunter Rifles by the same gunsmith. Neither of us could get them to shoot. He was very excited as he related how well his rifle was now shooting. He credited this to Mr. Audette's article. He got together with his friend and fellow benchrest shooter, Mike Scheltz, who owned a lathe. They took a 6-250 Wilson seating die and chucked it up in the lathe. A dial indicator was placed on the die and the chuck was adjusted for a minimum runout. The cartridge cases were then inserted into the die and the dial indicator placed on the back end of the case. The chuck was then turned by hand and a runout was taken. It soon became evident to them that the back end of the cases had excessive runout. New cases were purchased and tested for minimum runout. His 6-250 then began to shoot.

I had access to a Southbend lathe with a six jaw adjustable chuck. I followed the same procedure as above except I used a die from my Wilson trimmer. I tested my 6-250 cases on the rear end and found that both the fired (some fired over 10 times) and the unfired cases had an excessive runout on the rear of over 0.005. I then purchased another make of cases and got a runout of less than 0.002. It was probably less than this but the stamping of the make and caliber on the base of the case causes a slight error. I soon worked up an accurate load and won a Hunter Match with it in Lake Charles, Louisiana. I had also checked the variation in case neck thickness and weight but could find no correlation as the original cases had less variation than the newer cases, which I shot so well.

I contacted various persons whom I consider knowledgeable shooters and gunsmiths and they were only vaguely aware of this problem. (Do the good benchrest shooters really divulge all their secrets to us lesser mortals?) Jim Stekl of Remington commented that the poorly aligned rear end of the cases was probably due to a defective die in forming them. Therefore, if one of the cases had a poor runout then all of them would be defective. This was borne out as I purchased three boxes (60 rounds) of the original 250-3000 brass from the same lot and all of them had a runout of over 0.005. Another member of our club asked me to check his brass. It was the same make, but from a different lot. It checked out with a minimum runout.

I owned benchrest rifles chambered for the 22BR and 6BR and never could get them to perk. I blamed this on the difficulty with case stretching, which may still be the problem. However, I took my BR brass, fired and unfired, and checked them. It was immediately apparent that the back ends were out of line. Repeated firings had straightened them out somewhat, but some cases still had a runout of over 0.005. I contacted Colonel T.J. Jackson, Austin, Texas about this problem. He conducted the same tests I did but found no problems with his BR cases. His 6BR Heavy Varmit has won him many matches including the National Championship at Midland in 1979.

I then took my PPC cases and tested the runout on the base. Runout was less than 0.002. I weighed them and checked the case neck thickness. They were very uniform with little variation. I also cut the bases off on three of the PPC cases and measured the case wall thickness with a ball micrometer. Variation was less than 0.002. Is this the secret of the PPC? Perfect cases!!!!!

I realize that these very limited tests conducted by Tison, Scheltz and myself are not in themselves conclusive. However, it does serve as additional proof to the findings of Mr. Audette.

Adjustable Shooting Stools

Solid Oak
Cadmium Plated Hardware
$34.50 plus postage

NJ residents include 5% sales tax.

Tony Hidalgo
6 Capp St.
Carteret, NJ 07008
201-541-5894
Quantity discount available

R.G. Sherer - T. Bolinger

Precision Cut Rifle Barrels

for Benchrest, Silhouette, Lead Bullet and Sporting Rifles and Handguns.

MATCO
Box 349; 312 College Ave.;
No. Manchester, In 46962
Phone 219-982-8282

R.G. Sherer T. Bolinger G. Johnson

NEW

CASE-GARD®
Bolt Concealer Box
by MTM Offers Security from Thieves and Protection from Accidents

The NEW MTM Bolt Concealer box holds two rifle bolts. Securely hidden from thieves and curious children the "BCB" enables you to render a firearm absolutely secure. Each box is supplied with two identification labels.

The Bolt Concealer Box is covered by **MTM's** 3 year guarantee.

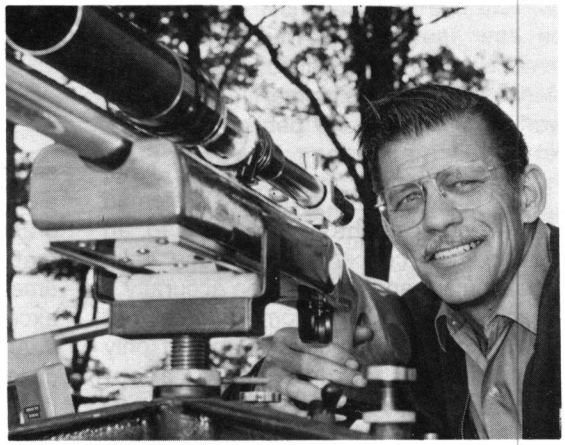
$3.19

For complete information see your **MTM** Dealer, or send $.75 for our 12 page, Full Color Catalog

MTM® **MTM Molded Products Company**
5680 Webster Street • Dayton, Ohio 45414

Benchrest Feature

Lt. Col. Rick Hornbeck, USAF(Ret)
R.D. 2, Box 220
Pine Bush, NY 12566



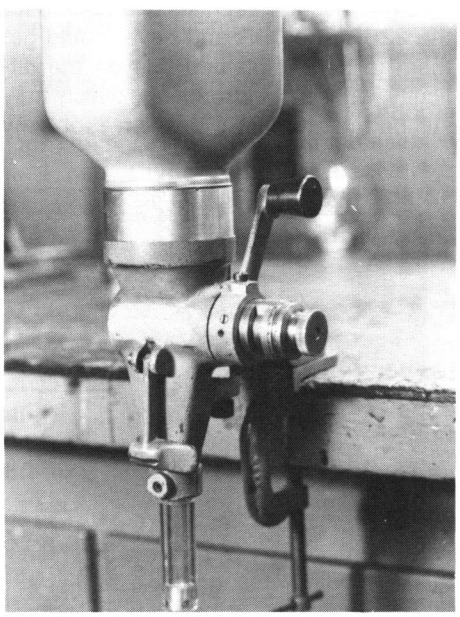
Measuring Powder — The Powder Measure

Back in the late 1880's, John M. Barlow founded the Ideal Manufacturing Company and offered the first practical adjustable powder measure, the Ideal No. 5. It was a casting, including the powder hopper and was painted basic black. The adjustable chamber was basically the same that is now offered in the Lyman 55 measure. Later, the No. 5 came forth with a version that had a micrometer adjustment to adjust the powder charge. Still later, Lyman added the plastic hopper, changed to what we now know as "Lyman Orange" for the paint job, and so it has been since.

All powder measures are basically the same: a powder hopper which with the help of gravity, allows powder to enter an adjustable chamber and a drop tube to get it into the case. The selection today is almost endless, but all are basically the same in operation. Some have added baffles in the lower part of the hopper to maintain a constant powder weight pressure over the adjustable chamber and is a darn good idea. If your powder weight measure doesn't have such a baffle, one can be added very easily. Select a plastic powder funnel that is the same outside or larger diameter as the inside of the hopper. Cut the upper rim for a slip fit and locate it at the lower end of the hopper. Using some model plastic cement, the type used for model ships and airplane kits, and cement it in place. I have a Lyman 55 that is fixed up this way, which was a very common practice among benchrest competitors 20 - 25 years ago.

The problem with most all the powder measures on the market is setting or making minor changes in the setting without checking on a powder scale to obtain the desired powder load change. Back in the late 1950's I guess it was, Homer Culver got fed up with that problem and made an adjustable metering cavity that allows changes with perfect repeatability. We call it the "Culver Insert" these days, and I have no idea how many of these friend Homer has turned out over the years. I can remember when my first one arrived, and I was as happy as a pig in mud! No more trying the change powder loads on the range with the powder scale beam bouncing in the breeze. Once a chart is worked up at home, any powder load with any powder can be had at once on the range and the scale stayed home.

Other gents now make inserts with the same idea and all work just fine. The Ed Longo conversion looks like the lock on a safe sticking out the side of the measure



Lyman 55, Culver insert, pill bottle adapter and bottle. The adapter has a built-in baffle.

and is made for the Lyman 55 only, as is Culver's. Back in 1972 Seely Masker modified a Saeco powder measure with a micrometer adjusting powder cavity, used and read as is a micrometer. I had the opportunity to use the first such conversion that Seely made at a match shortly thereafter, (see P.S. June '73). I don't remember what powder was in the hopper, but it was a hard-to-throw tubular number. It did a great job, as does the Culver and Longo, and it repeated settings just perfectly. Masker also makes the same conversion for the RCBS measure, which was added a few years back. Seely has made over three hundred and fifty such conversions and many have found their way all over the world as have the others.

Powder measures, even of the same make and model, seem to have their own personality. The technique used to acquire the desired level of uniformity with one often simply will not work with another. I have one Lyman 55 with the Culver insert that must be operated gently, while another 55 with the same make of insert can be handled somewhat more roughly with good results. The answer is to sit down with a scale and see what it takes to get the desired level of accuracy. It should be carried on with all the different powder you expect might be used with that measure.

The powder being used has a major influence on the results. Flake and ball powders normally can be thrown with any powder measure to somethng less than the 1/10 grain limits that is accepted by most as acceptable limits. Flake powders tend to pack from any vibration of the measure, and the baffle in the hopper can contribute to stopping such packing. With some practice throwing powder

charges and checking results on a scale, some reloaders are often able to eliminate any detectable errors on the scale.

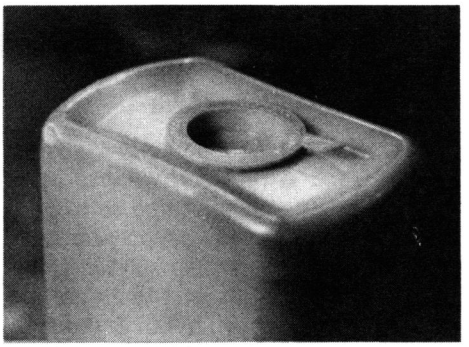
But when we start using tubular powders, we have another ball of wax. With H-322, we can do as good a job of throwing powder charges to something less than the plus or minus one tenth gain, for H-322 is but .032″ long and .025″ in diameter. We can manage our one tenth limits with 4895 which is .060″ long and .032″ in diameter. As we get longer and larger diameter tubulars, we find our one tenth limits of error somewhat harder to maintain. 4198, which has been around since 1935, is .085″ long and .025″ in diameter. Some measures operated by handloaders, can manage the established limits while others can not.

As we reach tubular powders that are longer and larger in diameter, we are hard pressed to hold one tenth grain limits of error. 3031 and 4064, both of which are up to .085″ long and .035″ in diameter, causes measures to start cutting powder gains, some more than others. 4831, .085″ long and .040″ in diameter, is just about impossible to throw within limits reliably and consistently.

We all operate a powder measure a little differently and get different results, regardless of powder. As for myself, if throwing 4198 and I experience some powder cutting as I drop the powder charge, I usually experience a lighter than normal powder charge in the case. The next one or two charges can be high or low and then the third will be back to the desired. I can't throw 3031 or 4064 with any measure and hold the limits I want. I've never checked other reloaders ability to throw powder, but it might be an interesting test.

The measure must operate smoothly throughout its travel or errors will crop up. It's often necessary to remove the powder cavity assembly and clean out the inside with lighter fluid. This usually smooths up operations in first rate order. Powder knockers on some measures can add errors as can any other form of vibrations. I've seen written instructions advising the removal of powder knockers. Best leave it on the measure and use it only if necessary to get powders like 3031, 4831 and such to drop completely. Large tubular powders will, in some measures with some drop tubes, hang up. Just about the time the case or powder scale pan is clear of the drop tube, the balance of the powder lets go all over the place. The knocker has its place, but if you don't need it, and you shouldn't up through 4198, don't.

Serious handloaders, and just about



Hodgdon Powder can cap installed in the bottom of a pill bottle.

every benchrest competitor, spends some time throwing powder and checking each load on a scale to assure themselves that they know the limit of the powder measure in use as well as their own ability. It's time well spent.

If you find static causes powder to stick to the plastic hopper, a plastic drop tube or the pan of a powder scale, try washing in Vel dish washing liquid or Solo clothes washing liquid, then dry completely. Often, just wiping the item which powder wants to stick to due to static with "Bounce," "Toss'n Soft" or like fabric softener will do the job quite well.

A technique that is often helpful in obtaining uniform measuring from a powder measure is to leave the operating handle in the down or drop position when not in use. The handle is brought up to the position during which the metering cavity is being filled from the powder hopper, and then returned to the drop position. The important thing here is to give the powder enough time to fill the cavity with some hesitation. This works well with a Lyman 55 and others, while other powder measures, because of design, make this practice impossible.

In addition to the conversions or inserts listed above, Neal Jones offers one too, along with drop tubes and pill bottle adapters. See his ad in P.S., as well as those listed above for further information.

If we use a plastic pill bottle and adapter, such as that offered by Neal and others, we must take care to not expose the bottle full of powder to large temperature changes from cool to warm, for we can experience some sweating inside the bottle. Ask your local druggist to save pill bottles for you if you decide to use the pill bottle in place of the factory hopper. Another modification that I have picked up from a fellow competitor, Glen Hess, is cutting a hole in the bottom of the pill bottle to the proper diameter which will allow one of the red Hodgdon Powder Company powder can caps to snap into the hole. This allows pouring unwanted charges back into the bottle when mounted on the measure and is a most handy addition in my view.

For information about the following suppliers of powder measure conversions, contact the following:

Accuracy Products
P.O. Box 593
Colleyville, Texas 76034

Homer Culver
1219 N. Stuart Street
Arlington, VA 22201

Custom Products
686 Baldwin Street
Meadville, PA 16335

Ed Longo
111 N. Hyde Park Ave.
Scranton, PA 18504

Seely Masker
261 Washington Ave.
Pleasantville, NY 10570

BR COMPONENTS BY SHILEN

BARRELS, ACTIONS, BARRELED ACTIONS
COMPLETE RIFLES
TRIGGERS
RE-BARRELING SERVICE
17 to 45 caliber — STANDARD & WILDCAT CHAMBERS
STAINLESS AND CHROME-MOLY

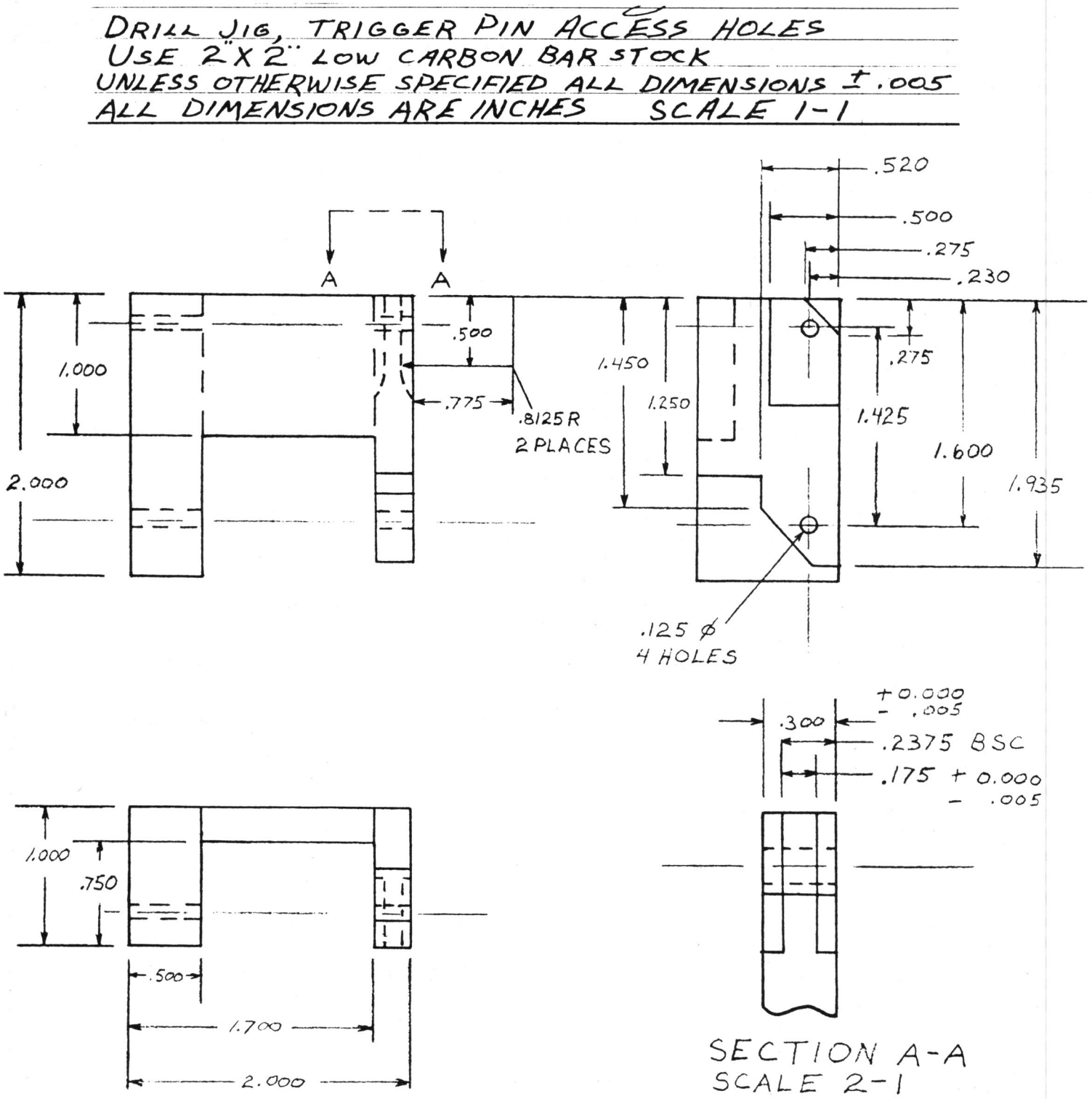
Send $2.00 for Brochure

SHILEN RIFLES INC.
205 METRO PARK BLVD.
ENNIS, TEXAS 75119
214 875-5318

TRIGGER PIN DRILL JIG

By Daniel Lilja

Gluing an action into a fiberglass stock is, I believe, the accepted method in building a competitive benchrest rifle. I don't believe many will argue with that statement. Assembling a rifle in this manner is a relatively easy job to accomplish. There are a few considerations the stocker must make. Generally the standard bolt is replaced with an allen head screw or a plunger type stop. This modification is made to simplify the glue in process. Aside from port clearance, trigger guard relief, and bolt handle clearance which would be done in a conventional bedding job, he must provide sufficient room for the trigger to be removed through the bottom of the stock should it ever become necessary. In addition to the increased area around the trigger the stocker must provide access holes for the trigger pins so that they may be driven out. Drilling these holes appears easy but can turn into a problem if your approximation of their location was



wrong. It is not easy to get three holes in line and much more difficult to do it twice.

There is a simple approach to this problem, well two ways really. One, let someone else do your stock work, or two, (this is the method I like) build a simple drill jig. It may seem as though it would be much simpler to fill a dozen misplaced holes than machine a drill jig. It is not a difficult job however if you have access to a vertical mill. If the dimensions on the drawing and the instructions are followed the resulting jig should fit your Remington bolt action. With little or no modification the jig should fit any action using a Remington type trigger.

To begin machining the jig cut a piece of cold rolled 2″x2″ low carbon bar stock to a length of about 1.1″ in the bandsaw. Take this block over to the milling machine. To keep everything square make sure the milling machine vise is parallel with the table travel with an indicator. Clamp the block in the vise with one of the saw cut edges protruding above the vise jaws and parallel with the quill. Clean up this face with an end mill leaving a smooth surface. Now that we have ths face perpendicular with the four surfaces as received from the steel mill flip the block and repeat the above operation on the other saw cut face. Mill this face leaving a thickness of 1.000″. After all this work we have a block that measures 2″x2″x1″ with all the sides square.

We are now ready to start by milling out the channel the full length of the block. Be careful in holding the .500″, 1.700″, and .750″ dimensions shown on the drawing. Following this, turn the block on its rear side and cut the slot holding the 1.000″ dimension shown in the top view of the drawing. With this same setup the angle dimensioned .230″ and 1.450″ shown on the side view can be milled. Loosen the vise and set the jig on its "legs" and cut the .520″ dimension. It should be mentioned that from now on that the block should be held with the "legs" perpendicular to the vise jaws as they could bend if tightened. Turn the block over again and zero off the back of the jig. In this operation the two radii on the .300″ leg will be milled. The dimensions shown in the section view are to be held. The 45 degree angle dimensioned .275″ and the 1.935″ measurement can also be machined in this setup.

Remove the jig from the vise and it should now fit in the action. If not check for burrs or where interference is occuring. When the jig fits easily we are ready to drill some holes. Place the jig in the vise on parallels with the legs facing you, the thicker one down. Using the edge finder, zero off the front and right side of the jig as it now sits. Place a #2 center drill in a collet. Traverse the table and center drill the positions dimensioned .230″ and 1.425″. Remove the center drill and replace with an 1/8″ diameter drill bit. Drill through both legs and we are about finished. With a little deburring we should have a finished and functional drill jig. After making sure it fit I painted mine with layout blue to prevent rust. If the jig is going to receive a good deal of use, hardened bushings could be easily installed or the entire jig could be carburized.

In practice the jig is placed in the action and the trigger pins driven through both. Prior to drilling the holes in the stock the action should be prebedded in the intended stock. This procedure eliminates any gross movement of the action in the stock, causing the holes to become out of alignment later. Place the jig and assembly in the stock and lightly c-clamp them together. Run an 1/8″ diameter drill bit through the jig and into the stock until the pins are met. Remove the jig from the action and reinstall the action in the stock. This time drill the hole completely through the action and through the other side of the stock. It is possible that the action with the trigger pins in place prior to drilling will not seat in the bedding because of a protruding end of a pin. If this is the case a knife blade can be used to remove the interfering portion of the bedding. The holes in the stock may now be opened up to 3/16″ diameter. Be careful not to chip the fiberglass when doing this. I avoid that problem by using a high spindle speed and drill the holes from the outside only, not completely through. The original pins may be replaced with 1/8″ diameter drill rod of a longer length making removal and insertion easier.

The time required making the jig is well spent when one considers the ease of obtaining perfectly aligned holes the first time and the professional appearance of the finished rifle.

ACCURACY — — — BENCHREST

Send 35 cent stamped business envelope for 12 page brochure featuring:

Benchrest scope & mounts
Bonanza presses & benchrest dies
B-Square rests & gauges
Hart rests — triggers — rod guides
Marquart case neck turners
Jones-Lyman micrometer pwd. meas.
Jones BR dies, tools & rods
Remington 40XBR — 40-XB rifles
Torque wrenches — adj. & fixed
Tuller sand bags
Wilson Seaters & gauges

BOB PEASE ACCURACY

P.O. Box 787-S (AC 512) 625-1342
New Braunfels, Texas 78130

WILL PURCHASE OR ACCEPT IN TRADE

FINE SINGLE SHOT VARM. RIFLES
HI WALL — 44½ — FARQUAHRSON — RUGER
PARTICULARLY WANT A FLOYD BUTLER HI-WALL

Write or call me at above address
MON - TUE - FRI - SAT Afternoon Best

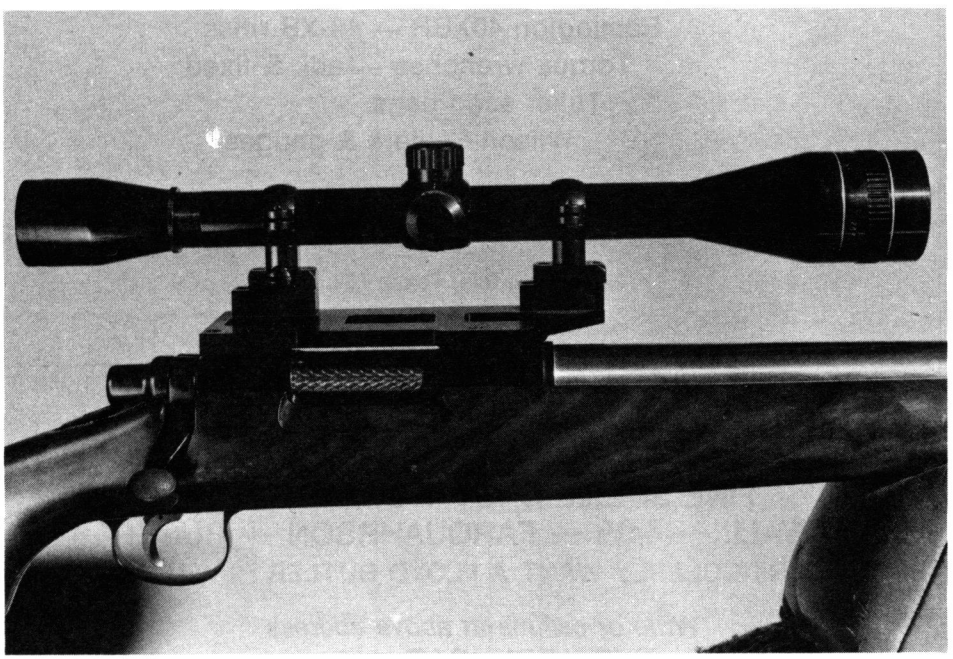
OUTRIGGER SCOPE MOUNT MAY SAVE A SHOOTER

by Bob Pease

During my more than thirty years of serious benchrest shooting I've watched many older shooters fade and vanish from the sport. Some have left before they really wanted to with a common affliction of the aging process; that of failing eyesight. Nowhere else in the shooting game does the image start to become evasive more than in bench rest. That is due to the higher magnification of scopes that are needed and used in the sport for the precise aiming required to shoot 1/8″ groups with any regularity. If a problem appears, regardless how slight, a 30X scope will magnify that problem by 30 times. A ten power varmint scope only makes the problem ten times as troublesome while a 4X deer hunting scope may not appear to bother hardly at all and may actually be a help over the naked eye.

Since most righthanded shooters are known to have as a 'master eye' their right eye the necessity to switch to the left eye becomes the usual solution. Whether this is because the right master eye did more and gave up earlier is beyond my knowledge it just checks out that the master eye does seem to fail ahead of the other one. The pistol shooter can change to shooting right handed with his left eye easily with a bit of practice. Not so with any shoulder arm. Here the shooter is faced with conversion to left handed shooting. After a lifetime of learning how to do it righthanded the reflexes, the desire and the ability to make that switch will often cause a shooter experiencing eye trouble to give up benchrest shooting first.

While the deer will die as cleanly from a lefthanded shot placed an inch or two away from the point of aim or the rabbit or bird may still catch the edge of the pattern from a slightly misdirected blast the benchrest group target will never forgive such a minute error. Through the years I've watched older shooters try to cope with the problem. Many will hang in for the enjoyment of the matches, association with the friends they've made and accept their poor groups as the price they must pay to be able to continue in the sport they love. Others however, instilled with a lifetime of competitive spirit and reasonable recognition and success in the sport, just can't accept the blow that fate has dealt them and it is they who will fade quietly from the scene perhaps being missed even more than they are missing their favorite shooting game.



Scope height came out greater than anticipated but remains very comfortable and easy to locate with left eye. — Bob Pease photo

In spite of my observances in this matter the word 'cataract' hit me low and hard in the pit of my stomach as I slowly watched the time approach when it was easier to hang it up than to battle the inevitable. Oh sure, I tried it lefthanded but it was frustrating and tiring to work so hard to get four of them in and then lose one for a reason over which I had no control. A wind switch or mirage or even stupidity one can cope with but the inability to FIND the center of the crosswire with ten seconds left can be catastrophic.

I began to entertain ideas of creating a means of shooting a benchrest rifle with my left eye *but from the righthanded position.* The how was helped by experiments I had participated in with a younger shooter many years ago back East. Faced with a damaged right eye and an extremely awkward lefthand approach he had jury rigged such a mount and subsequently won two season championships in club Hunter Class competition. One long distance phone call and a few measurements from his rig helped me to gel the idea for such a scope mount. Fortunately good friend Alvin Davidson, the aluminum expert of the southwest came to my rescue. Sandwiched between his projects for the White Sands Missile Range and his commitments to New Mexico State, Alvin built an outrigger mount to my crude sketches and dimensions. The object was to mount my 30X Siebert/Leupold on my 40-XBR .22PPC Heavy Varmint rifle for comfortable use of the left eye in the right handed shooting position. Common sense dictated the Redfield two piece mount as a necessity for the rotating freedom of the scope for lateral alignment and adjustment. While it would be possible to calculate the amount of offset and align the holes to compensate one must remember that if this is done for 100 yards it may not have sufficient leeway to permit internal adjustment at 300 yards. It just seemed easier to avoid the problem with the Redfield and since this rifle had already been weighted with nearly a pound of lead shot inside the butt stock there was weight reduction possible to compensate for the increase caused by the outrigger.

Initially since Alvin felt 3/8″ flat stock of aircraft aluminum was indicated it was

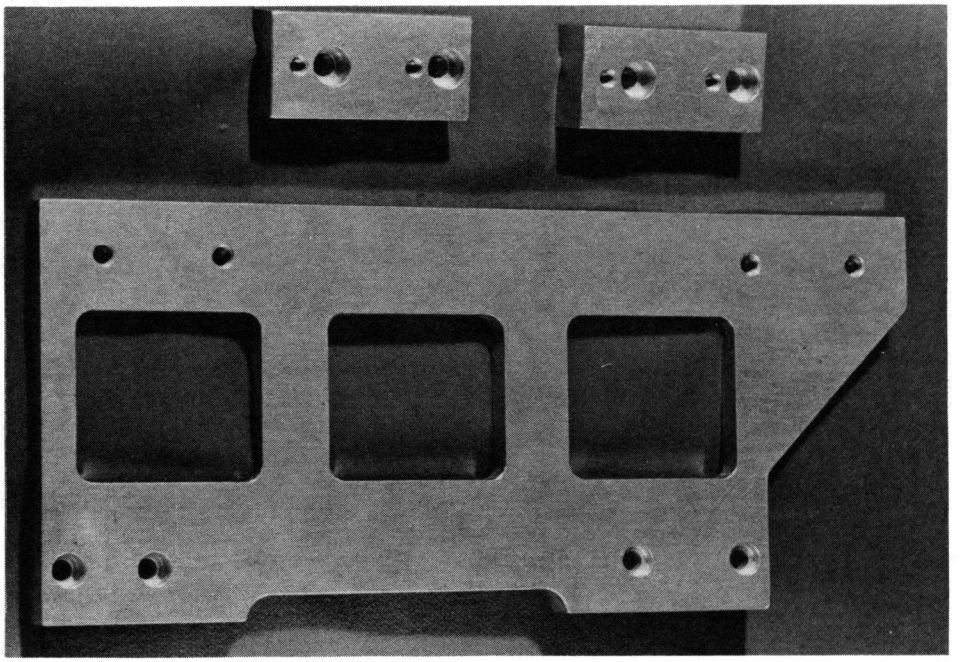
felt that the Redfield bases on top of that plus the ring height would be sufficient. How wrong we were! Luckily Alvin suggested sending the action contoured plate to me for attachment to the rifle and he left it wider from the action than the anticipated amount. As soon as it arrived I attached the platform to the action, set up a mock benchrest in the shop doorway and gently placed the scope in a set of low rings but on the Redfield bases atop the platform. I couldn't even find it!

Some two hours later we had gone to the highest rings that Redfield makes and placed the bases on top of nearly another 1/2″ of shim build-up to get the height that would let me see through the scope easily in *MY NORMAL SHOOTING POSITION.* One tends to forget that he leans his head well over toward the side he is shooting from and to sit perfectly straight would be abnormal for most shooters. The entire rig was clamped securely in place and shipped back to Alvin Davidson for him to locate and finalize the measurement and the shim or block heights.

The next time it was a breeze. The scope was anchored and bore-sighted as well as adjusted for eye relief with no problem at all. Removed and back to Alvin the final time it was skeletonized for weight reduction, trimmed, polished and sent to hard anodize for the complete treatment. After all it was going to draw a crowd at the range anyway, they might as well admire it a little bit!

First trip to the range and we were on the paper in three or four shots and out to 100 yards. Borescoping with an instrument is out of the question so it is best to begin at 25 yards on a large piece of paper. My first group out of the new rig with my left eye was about 3/8″ followed shortly with another several about 1/4″. Most amazing thing however was my shooting buddy who had helped me with the project 'had' to fire the peculiar looking monster 'just for the hell of it'. You can imagine our surprise when he put together a creditable 5/6″ group the first five shots he ever fired with his left eye in his life! Naturally elation was hardly the word for my feeling and it was a rush trip home to call Alvin with the good news. Since my elation knew no bounds I decided to set up a rimfire rifle with the same mount and also to lay in a spare in case I wanted to make up a Sporter at a later date. It wasn't too hard to convince Alvin, who likes to produce a quantity anyway, to make a reasonable number of spares for any who might read this article and wish to solve their eye problem by a similar means.

Alvin Davidson did extract one promise from me. That was to tell our readers that he has contoured these outrigger bases ONLY for the short action Remington rifles such as the 700 and 40X series. He cannot and will not disrupt his business to undertake contouring for any other actions. He expects that this base complete will sell for just under $50 in the white or a few dollars over $50 for the black hard anodized version. If one anticipated any alteration to the base the



Plain aluminum base can be easily machined, drilled, filed or altered. Front angle could be eliminated for weight reduction. Repro prints by Boyce

MAINVILLE SPORTSMAN CLUB, INC.

P.O. BOX 208, BLOOMSBURG, PA 17815

1982 MATCH SCHEDULE

JUNE 12 & 13

100 & 200 Yd LV-HV-HB LV-HV 5 shot group HB 10 shot group
STARTING TIME BOTH DAYS 8:00 AM LV-HV in AM HB in PM
ROTATION OF BENCHES
AWARDS — 1st and 2nd Range awards in all classes
1st and 2nd 2-day Grand Agg all classes
1st, 2nd, 3rd, and 4th 3-gun awards

JULY 17 & 18

INTERNATIONAL 200 & 300 YD CHAMPIONSHIP LV-HV-HB
LV-HV 5 shot group HB 10 shot group ROTATION OF BENCHES
STARTING TIME BOTH DAYS 8:00 AM LV-HV in AM HB in PM
For your convenience you may pre-register by mail before 7-4
AWARDS: IBS TRAVEL & KEEPER TROPHIES: RANGE AGGS; 2-DAY AGG EACH CLASS; TOP 10 PATCHES; MATCH PINS; 3-GUN AWARDS

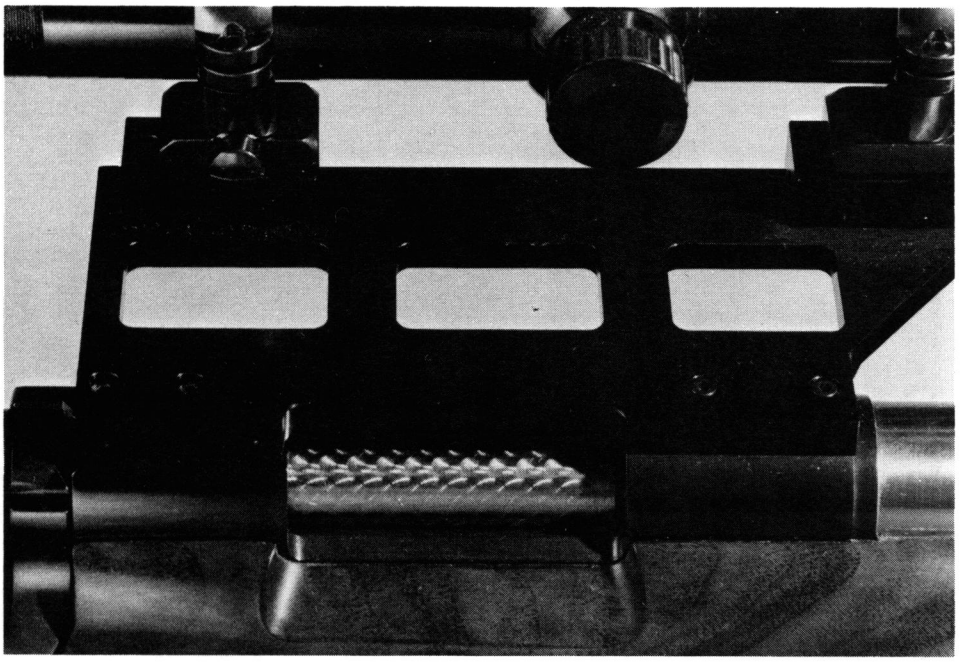
Camping Available *Meals Served*
40 Covered Benches *No Electrical Hook-up*

1982 HUNTER MATCHES

May 9	200 Yd	HUNTER & VARMINT FOR SCORE	STARTING NOON
May 30	100 Yd	HUNTER & VARMINT FOR SCORE	STARTING NOON
June 27	300 Yd*	HUNTER & VARMINT FOR SCORE	STARTING NOON
Sept 18 & 19	100 Yd	HUNTER NATIONALS & VARMINT	9-18 Noon
	200 Yd	FOR SCORE	9-19 10:00 AM
Oct 10	100 Yd	HUNTER & VARMINT FOR SCORE	STARTING NOON
Oct 24	100 Yd	HUNTER & VARMINT FOR SCORE	STARTING NOON
Nov 7	100 Yd	HUNTER & VARMINT FOR SCORE	STARTING NOON

*Non-Registered

IBS DIRECTOR RANDY FRITZ A/C 717 784-6368
RANGE TELEPHONE NUMBERS A/C 717 784-4239 A/C 717 784-9721



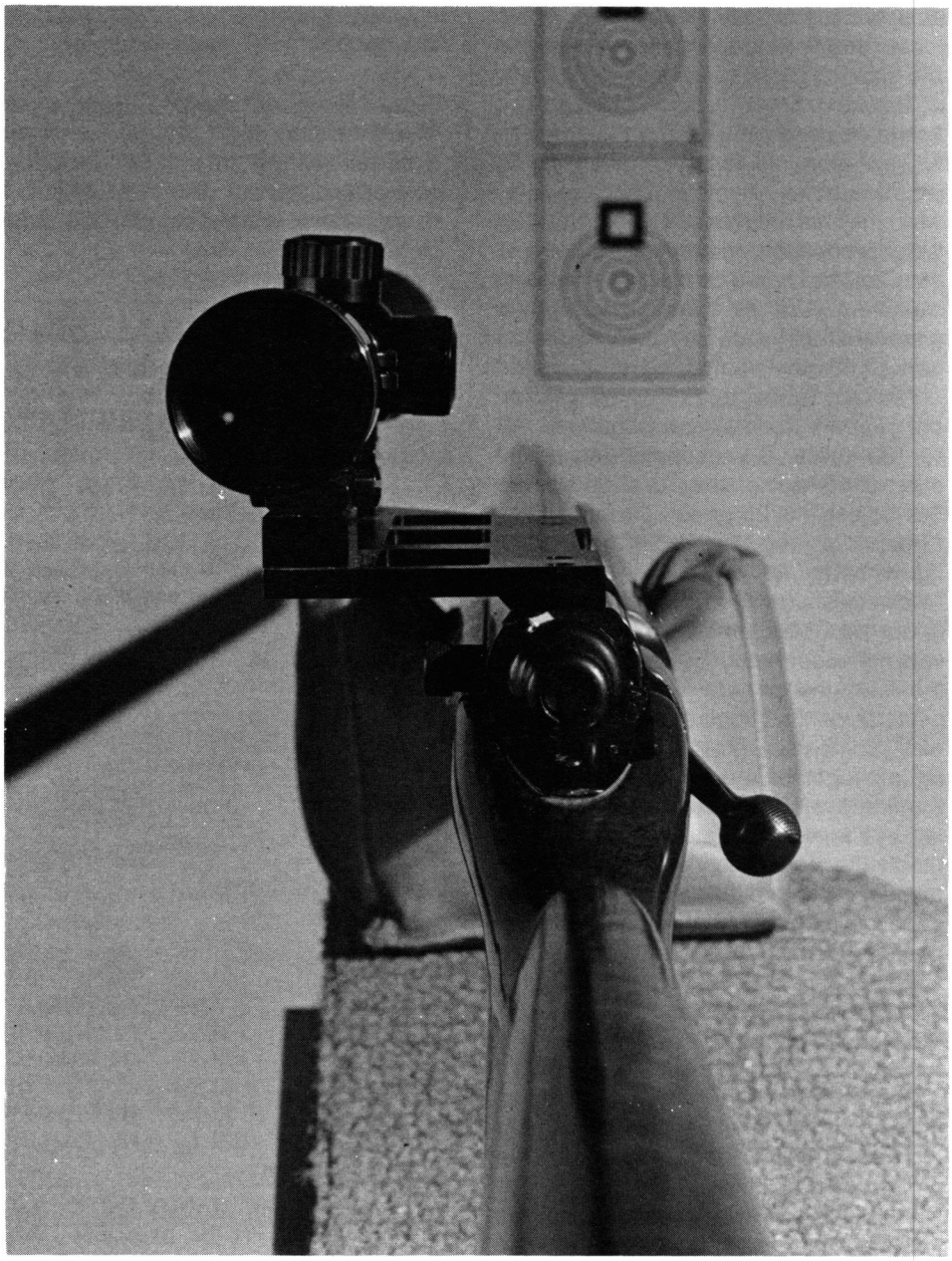
Simulated benchrest set-up looks a bit weird but is surprisingly comfortable and easy to adapt to. — Bob Pease photo

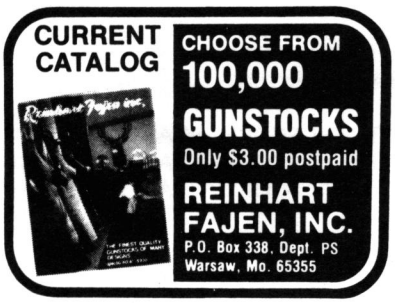
plain aluminum version should of course be ordered. While there may be a number of Redfield bases designed to fit a flat top I chose the DGA bases and they worked perfectly. You will have to consider weight and allow for it in your calculations. In addition to the pictures shown I am listing some dimensions as well. The outrigger mount base is available direct from Alvin Davidson at 2020 Huntington in Las Cruces, NM 88001 or I keep them in stock here. (see ads in PS for Davidson and Pease)

While this information is admittedly pointed toward a minority of shooters I think that if we can retain the friendship and their fellowship and knowledge in the game a little longer in spite of right eye problems it will have been a worth while project. One never knows when an injury or accident might also make such a scope mount a dreaded but necessary solution. The adaptation of this mount base to hunting and sporting rifles will rely on the ingenuity and desire of the shooter. I do remember that my friend back East informed me that he had enjoyed many a woodchuck kill in the 200 and 300 yard range with his outrigger over the years and rather quickly adapted to the necessary holdoff for the crossover effect of the line of flight. Beyond 300 yards the combination of trajectory and crossover proved too much for clean kills and he limited his shooting accordingly.

Weight of extension base & blocks	7 ozs.
Length	6½″
Thickness of base	3″
Distance offset	2¼″
Height of riser blocks	.450″
Spacing of scope rings cent./cent	5″

Below — Side top view orients base and mounts to action. Windage, swivel type mount easiest but not mandatory. — Repro prints by Boyce





Dear Dr. Garcelon:

Although we have never met I am sure we have crossed paths at some dental meeting at sometime in the past. I am a practicing endodontist in Fort Wayne, Indiana. Just over a year ago myself and a local optometrist friend made our entry into the benchrest shooting game. Through our contact with individuals like Ferris Pindell and Fred Sinclair, just to name a few, we both found the sport very exciting and challenging. The people we have met have been simply great!

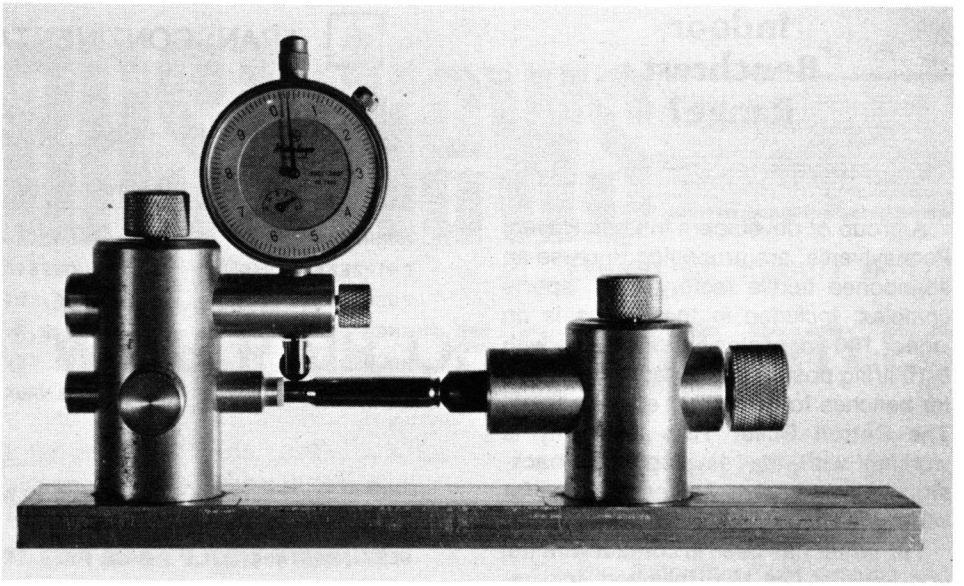
Both my friend and I agreed this was the start of something big. Unfortunately, on February 9th my friend passed away. He found out just before Christmas that he was loaded with cancer, and his deterioration was very fast.

He was an extremely vibrant 40 year old man, and he was very enthusiastic about benchrest shooting. He truly loved it! Not only did he love it, but also this individual shot a World Record (.110 for 5-200 Sporter), won the Indiana State HV Championship, broke several range records and won numerous matches at other ranges.

For his first year it looked like the start of something great! His picture appeared in the February issue of *Precision Shooting.* His name was Dr. Tom Minder.

It has been a personal loss to me because I will miss his companionship, but I think the one thing I can do for Tom Minder is to openly thank the benchrest shooting fraternity for providing this man with perhaps the best one year of his entire life. It is a tribute the sport and the shooters themselves deserve.

Kim Brown



Pictured is a gadget I made to measure concentric neck thickness of cases.

I find that the average factory case will average .002". Using Federal 6x47 cases trimmed in the Marquart trimmer I can hold the concentric neck thickness to less than .005 (5/10,000) and, of course these cases shoot appreciably better when fitted to the chamber.

Bob Ellis

Please let us know, well in advance, what your new address will be. Send your old address too — even better, enclose the address label from a recent issue. The Post Office will not forward your copies unless you pay extra postage, but we will see that your "Precision Shooting" reaches you, without interruption, if you notify us six weeks in advance of your move. Write to Precision Shooting, P.O. Box 30, Lafayette, N.Y. 13084.

When giving your address please add your Zip Code number.

Send for our FREE Catalog of Gunsmith Tools and Mounts

B-SQUARE COMPANY
BOX 11281 • FT. WORTH, TX. 76109

SEELY MASKER

- Precision Products and Services for Target and Benchrest.
- Masker-Saeco and Masker-RCBS Measures.
- Wood and fiberglass stocks, or bedding, a specialty.
- Precision rifle, barrel and chamber work.
- Presto bolt stops for Remington Rifles.
- Hart barrels in stock. **$1.00 for list.**

Seely Masker, 261 Washington Ave., Pleasantville, N.Y. 10570 (914) 769-2627.

PAINTED POST FIELD AND STREAM

JUNE 26-27 N.Y.S. METER CHAMPIONSHIP
100-200 METERS H.V.-L.V.-H.B.
TWO - 2 GUN AGG. H.V.-L.V. H.V.-H.B.

JULY 24-25
100-200 METERS H.V.-SP.-H.B.
TWO - 2 GUN AGG. H.V.-SP. H.V.-H.B.

1st GUN - $10.00 2nd GUN - $5.00
I.B.S. FEE - $1.00 PER DAY

Camping and water will be available. Electric $1.00 per day. Kitchen will be open for breakfast and lunch.

Further information contact:
BOB DEMONSTOY 607-962-2240
1 Pioneer Road, Painted Post, NY 14870

Indoor Benchrest Range?

A group of developers in Lock Haven, Pennsylvania, are proposing to reuse an abandoned textile factory for a sports complex. Included in their plans is an indoor 100 yd. center-fire rifle range with 8-10 firing positions. Tentative plans call for benches to be built at each position. The Detroit Bullet Trap Company is working with the developer on backstops, target frames, and engineering for ventilation and noise control.

The writer has been in contact with the principals of Old Mill Unlimited, Inc. regarding the scheduling of a regular benchrest winter league. They are interested in holding organized rifle and pistol competitions, and benchrest shoots would fit right into their plans. The project appears to be go as the private financing has been arranged; approximately 25% of the financing, however, rests on the approval of a federal Urban Development Action Grant. The developers need to show that there is a market for the facilities they are building. Much of this information has been compiled, but they have no hard data on the potential usage of the range by benchrest shooters.

If a winter league were offered six to eight times per year (1982-83 start), how many of you benchresters out there would be inclined to attend? A simple card or letter to me at the address below will be passed along to the Old Mill people for inclusion in their marketing study to be submitted to the federal government. Time is short; therefore, I am asking that those interested persons please respond as soon as possible and no later than April 30, 1982.

This facility would be unique and offer a fantastic opportunity to see what our rifles will do in the nearly ideal "tunnel" conditions.

Please respond to: Old Mill Unlimited, Inc., c/o Jeff Stover, P.O. Box 494, Lock Haven, PA 17745 Telephone: (717) 748-6729.

TCL TRANSCONTINENTAL HUNTER RIFLE LEAGUE TCL

League Director
Bob Pease

League Coordinator
Tony Hidalgo

1982 DIVISIONAL ALIGNMENT

EASTERN DIVISION	CENTRAL DIVISION	NORTHERN DIVISION	SOUTHWEST DIVN.
DUNHAMS BAY,NY	LOUISIANA CAJUNS	SNOW SHOE ALASKA	SAN JUAN N.MEX.
CHIPPEWA, OHIO	S. W. LOUISIANA	WESTERN MONTANA	MENARD, TEXAS
POCONO, PENNA.	MENOMINEE, WISC.	ENTIAT, WASH.	SAN ANGELO,TX
ENGLISHTOWN,NJ	COLORADO B.R.S.	LA CROSSE WISC.	WACO AREA TEXAS
HOLMESBURG, PA	COR - E - TEX	T. C. ILLINOIS	LAS VEGAS, NV
TIFFIN, OHIO	PABST-MILWAUKEE	YELLOWSTONE MT	CEN TEX NORTH

MAY 1982 MATCH SCHEDULE

LOUISIANA CAJUNS	--	SNOWSHOE ALASKA	POCONO PA	--	S.W. LOUISIANA
ENGLISHTN, NJ	--	DUNHAMS BAY NY	COR - E - TEX	--	HOLMESBURG
WEST. MONTANA	--	WACO AREA TEX	SAN JUAN NM	--	ENTIANT, WA
COLORADO BRS	--	MENARD TEX	LA CROSSE WI	--	CEN TEX NORTH
YELLOWSTONE MT	--	MENOMINEE FALLS	CHIPPEWA OHIO	--	T. C. ILLINOIS
TIFFIN OHIO	--	PABST MILWAUKEE	SAN ANGELO TX	--	LAS VEGAS NEV

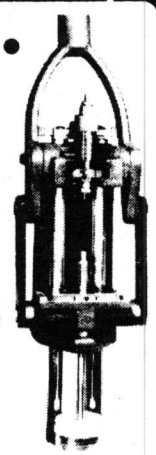
WITH THE ABOVE ALIGNMENT AND SCHEDULE THE TCL OPENS IT"S TENTH CONSECUTIVE COMPETITIVE HUNTER CLASS SEASON OF POSTAL MATCHES BETWEEN SHOOTERS IN VARIOUS PARTS OF THE CONTINENT. WHILE MOST CLUBS REPORT A BIT OF FALL OFF DUE TO THE ECONOMY AND TRAVEL OTHERS REPORT THEIR BIGGEST LOSSES ARE TO THE RANKS OF THE GROUP SHOOTING FRATERNITY.

WE HAVE LONG CONTENDED THAT HUNTER CLASS WILL PRODUCE MORE SHOOTERS AND PRESENT AN EASIER WAY TO GET INTO COMPETITION THAN ANY OTHER LEVEL OF THE BENCHREST GAME. IF ONLY THOSE IN COMMAND OF OUR TWO GREAT NATIONAL ORGANIZATIONS HAD THE FORESIGHT TO REALIZE THIS AND HELP PROMOTE IT, THE GROWTH OF BENCHREST COULD BECOME MORE THAN PHENOMINAL.

MORE BEGINNING SHOOTERS INFORM ME THAT THEY TRY BENCHREST AS A STEP UP FROM HUNTING. EXPENSE, TRAVEL AND HOME LIFE ARE ALL GIVEN AS REASONS A ONE OR TWO DAY MATCH OF SHOOTING SKILL CAN READILY SUBSTITUTE FOR A LONG AND EXPENSIVE SAFARI AFTER GAME. SELDOM DO THEY COMPLAIN OF NOT ENOUGH GAME TO KILL BUT RATHER JUST NOT ENOUGH SHOOTING TO MAKE THEM FEEL AN ACCOMPLISHED RIFLEMAN. BENCHREST CAN HELP TO PROVIDE THAT FEELING AND OFTEN DOES IT FIRST IN THE HUNTER CLASS GAME. *Bob Pease*

MIKE KLEIMAN
• Precision Hand Dies •
Same fine quality dies designed & formerly supplied by CPS. Precision made neck-sizing & straight-line seating dies custom fitted to your fire-formed cases. Available in benchrest, varmint & most std. calibers. Send SASE for details.
MIKE KLEIMAN
11 Salem Rd. • E. Brunswick, N.J. 08816

Used to Set
Sixteen NBRSA World
Records in Recent Years
MALSBY BULLETS
.22 Caliber, 52 grain . . . . . .
. . . . . **$10.00 per hundred**
6mm Caliber, 62.5, 68 or . . . . .
72.5 grain . . . **$11.00 per hundred**
Minimum Order 500 Bullets
Shipping Charges will be Invoiced
Send Signed Copy
of FFL With Order
Missouri Residents please add
4 1/8% Sales Tax
J. C. & PAT MALSBY
9922 Mercier
Kansas City, Mo. 64114
(816)942-7961

• WANTED •
DEALERS AND GUNSMITHS TO DEMONSTRATE AND SELL THE SENSATIONAL BONANZA RELOADING TOOLS FOR METALLIC CARTRIDGES

BONANZA MFG. CO.
412 Western Avenue (D-3)
Faribault, MN 55021

NBRSA News

Edited by Robert Morris

TOM HOUGHTON WINS PAIR OF STATE TITLES

He Wins Arizona Sporter Championship

Tom Houghton won going away to capture the Arizona State Sporter Championship at the Black Canyon Shooting Range, March 6-7.

He was an easy winner at 100 yards with a .2654 aggregate and then came back with a .3111 to take the 200-yard competition. His lead in the Grand was an impressive .0460 over the second place winner.

He fired 6PPC H-S barrel with a Stolle action and Leupold 36X scope, along with 27.5 grains of H-322 and Remington 68-grain bullets.

Ricki Adams, St. George, UT, was second in the Grand, finishing fourth at 100 yards and second at 200. Larry Kuse, Overland Park, KS, had the 200-yard small group with an excellent .265.

Irene Fazio, LaHabro, CA, firing in her third registered match, won the Heavy Varmint match. She was the leader at 100 yards with a .2456 aggregate. Ben Burns, Safford, AZ, was the winner at 200 yards. The first four places at 100 and 200 yards represented five states and a Canadian province — Alberta, California, Arizona, Texas, Colorado and Minnesota.

Fazio used a 6PPC Atkinson barrel with a Wichita action and Leupold 36X scope, along with 28 grains of H-322 with GTB 68-grain bullets.

Light Varmint, 46 entries, 100 yards: 1- Houghton, Prescott, AZ, .2654; 2- Dennish Thornbury, .3038; 3- Fazio, .3080; 4- Adams, .3152. SG- Thornbury, .155. 200 yards: 1- Houghton, .3111; 2- Adams, .3533; 3- Thornbury, .3778; 4- Ed Reiten, .3931. SG- Kuse, .265. Grand: 1- Houghton, .2882; 2- Adams, .3342; 3- Thornbury, .3408; 4 Dave Hall, .3922; 5- Teiten, .4014.

Heavy Varmint, 45 entries, 100 yards: 1- Fazio, .2456; 2- Bruce Cameron, .3468; 3- Bobbie Burns, .3776; 4- Ed Phillips, .3829. SG- Ron Kono, .121. 200 yards: 1- Ben Burns, .3071; 2- Donalee Price, .3422; 3- Dan Dowling, .4000; 4- Ron Wyman, .4105. SG- Mark Chesebro, .350. Grand: 1- Fazio, .3934; 2- Al Davidson, .4109; 3- Bobbie Burns, .4227; 4- Dowling, .4259; 5- Walt Berger, .4268.

Takes Light Varmint Title at Las Vegas

Tom Houghton and Rick Adams were the winners in the Nevada State Sporter and Light Varmint Championships, February 13-14 at the Desert Sportsmans Rifle and Pistol Club.

Houghton, Prescott, AZ, was first at 100 yards and second at 200 to capture the Light Varmint crown. He had a .2618 aggregate at 100 and .3608 at 200. Dennis Thornbury, Visalia, CA, was the winner at 200 yards with a .3528 aggregate and second in the Grand.

Houghton fired a 6PPC H-S barrel with a Stolle action and Leupold 36X scope. He loaded 27.5 grains of H-322 powder and Remington 68-grain bullets.

Adams, of St. George, UT, won the Sporter Championship, finishing, like Houghton, first at 100 yards and second at 200. His Grand was a very good .2886. Bob Bulloch, St. George, UT, was the leader at 200 yards. He also had the 200-yard small group, a .334.

Adams fired a 6PPC Hart barrel with a Hall action and Leupold 36X scope. He loaded Snow 68-grain bullets with 27 grains of H-322.

Sporter, 24 entries, 100 yards: 1- Adams, .2580; 2- Jim Peoble, .2636; 3- Ralph Landon, .2642; 4- Glenn Price, .2666. SG- Harvey Miller, .109. 200 yards: 1- Bulloch, .3162; 2- Adams, .3191; 3- Houghton, .3203; 4- Donalee Price, .3246. SG- Bulloch, .334. Grand: 1- Adams, .2886; 2- G. Price, .3117; 3- Bulloch, .3230; 4- D. Price, .3262.

Light Varmint, 24 entries, 100 yards: 1- Houghton, .2618; 2- Peoble, .2714; 3- Milt Helmer, .3000; 4- Landon, .3010. SG- Bulloch, .160. 200 yards: 1- Thornbury, .3528; 2- Houghton, .3608; 3- Adams, .3919; 4- Leonard Quesada, .3919. SG- Adams, .320. Grand: 1- Houghton, .3113; 2- Thornbury, .3325; 3- Adams, .3487; 4- Quesada, .3616.

St. Louis March 13-14

What a difference conditions make.

On the Saturday night match, shot under nearly ideal conditions it took a .2584 to win the Grand. The next day, in rain and strong winds a .3197 took top honors.

Rich Griffin, St. Peters, MO, was the winner of the Heavy Varmint match fired on Saturday evening. He took it with a .2584 Grand, finishing first at 100 yards with a .2840 and second at 200 with .2329. Larry Schultz, St. Louis, was the leader at 200 yards with a .2271 and second in the Grand. Griffin fired a .222x35 Hart barrel with a 40X action and Leupold 36X scope, along with 26 grains of H-322 and Berger 52-grain bullets.

Art Freund won the Light Varmint match the following day, fighting off the rain and high winds better than the rest. He was third at 100 yards with a .3018 aggregate and the leader at 200 with an excellent .3375 on groups of .812, .381, .533, .667 and .982. Griffin was second in the Grand with a .3355 — .0635 larger than the evening before. Dan Jarvis, St. Louis, a new shooter, was the winner at 100 yards with a .2950 aggregate.

Art used a .222x35 Sherer barrel with a 40X action and Leupold 24X scope, along with 25.7 grains of H-335 and his own 70-grain bullets.

Light Varmint, 23 entries, 100 yards: 1- Jarvis, .2950; 2- B. Grimes, .2996; 3- A. Freund, .3018; 4- Griffin, .3138. SG- G. Blessing, .133. 200 yards: 1- A. Freund; .3375; 2- R. Hoehn, .3520; 3- Griffin, .3571; 4- D. Keller, .3577; SG- A. Freund, .381. Grand: 1- Freund, .3197; 2- Griffin, .3355; 3- Jarvis, .3473.

Heavy Varmint, 23 entries, 100 yards: 1- Griffin, .2840; 2- Hoehn, .2880; 3- D. Ball, .2950; 4- Schultz, .3170. SG- Schultz, .131. 200 yards: 1- Schultz, .2271; 2- Griffin, .2329; 3- G. Peters, .2980; 4- L. Smart, .3006. SG- Schultz, .265. Grand: 1- Griffin, .2584; 2- Schultz, .2720; 3- Hoehn, .3164.

NBRSA MATCH SCHEDULE

MID-CONTINENT REGION

COLORADO BENCH REST SHOOTERS, INC., Morrison Colorado. Contact Dan Dowling, 10919 W. 59th Place, Arvada, Colorado 80004, (303) 422-6884

May 16 — Hunter
June 12 — Heavy Varmint
June 13 — Colorado State Sporter Championship
June 27 — Mid-Continent Regional Hunter Championship
July 11 — Hunter
July 17 — Light Varmint
July 18 — Colorado State Heavy Varmint Championship
Aug. 22 — Colorado State Hunter Championship
Sep. 18 — Mid-Continent Regional Heavy Varmint Championship
Sep. 19 — Colorado State Light Varmint Championship

TULSA BENCHREST CLUB, Skiatook, Oklahoma. Contact Wayne Blackketter, 7811 E. 2nd Street, Tulsa, Oklahoma 74112, (918) 835-5195

OKIE SHOOTERS, Edmund, Oklahoma. Contact Dennis Wagner, 6821 N.W. 28th Street, Bethany, OK 73008 (405) 495-2868.

May 15 — All Classes, 2 p.m.
June 19 — All Classes, 2 p.m.
Aug. 21 — All Classes, 2 p.m.
Sep. 25 — Oklahoma State Unlimited Championship and Heavy Varmint, 2 p.m.

SANDHILL RIFLE & PISTOL CLUB, Great Bend, Kansas. Contact Steve Ochs, 3023 17th, Great Bend, KS 67530. (316) 792-2245.

Oct. 2 — All Classes, 5 p.m.
Oct. 3 — Mid-Continent Light Varmint Championship, 9 a.m. Mid-Continent Regional meeting, Oct. 2, prior to match.

MILL CREEK BENCH REST CLUB, DeSota, Kansas. Contact Larry Kuse, 8112 W. 89th Street, Overland Park, Kansas 66212, (913) 649-7344

May 1 — Heavy Varmint, 4 p.m.
May 2 — 10 1/2-pound, 9 a.m.
June 26 — 10 1/2-pound, 4 p.m.
June 27 — Heavy Varmint and Mid-Continent Regional Unlimited Championship, 9 a.m.
July 10 — Heavy Varmint, 4 p.m.
July 11 — Mid-Continent Regional Sporter Championship
Sep. 4 — Kansas State Sporter Championship, 2 p.m.
Sep. 5 — Kansas State Light Varmint Championship, 9 a.m.
Sep. 6 — Kansas State Heavy Varmint Championship, 9 a.m.

SPRINGFIELD RIFLE CLUB, Springfield, Missouri. Contact Jerry Baillie, 510 E. LaSalle, Springfield, MO 65807. (417) 881-4766.

WELD COUNTY FISH AND WILDLIFE ASSOCIATION, INC., Greeley, Colorado. Contact Len Trossen, 4941 W. 9th Street, Greeley, CO 80634 (303) 356-5868.

June 6 — Light Varmint, 9 a.m.
Aug. 8 — Sporter, 9 a.m.
Sep. 12 — Heavy Varmint, 9 a.m.

GULF COAST REGION

AUSTIN RIFLE CLUB, Austin, Texas. Contact Mary Solanik, Box 14665, Austin, Texas 78761

DIETZ RIFLE RANGE, New Braunfels, Texas. Contact Howard Dietz, Star Rt. 1, Box 65, New Braunfels, Texas 78130, (512) 885-4662

CENTRAL TEXAS BENCH REST SHOOTERS, INC., New Braunfels, Texas. Contact Terry Fridley, 14510 Angora, San Antonio, TX 78247.

May 16 — Hunter, 100 yards
June 27 — Hunter, 200 yards
July 18 — Hunter, 100 yards
Aug. 22 — Hunter, 200 yards
Sep. 4 — Texas State Sporter Championship
Sep. 5 — Texas State Light Varmint Championship

FORT STOCKTON RIFLE CLUB, Ft. Stockton, Texas. Contact Larry Baggett (915) 336-6278

June 5 — Texas State Unlimited Championship
June 6 — Texas State Heavy Varmint Championship

HUB CITY RIFLE AND PISTOL CLUB, Lafayette, Louisiana. Contact Francis Broussard, 316 Wilson St., Lafayette, Louisiana 70501, (318) 234-4426

NO WARM UP MATCHES WILL BE HELD ON REGISTERED MATCHES.

May 23 — Hunter, 100 yards, 9 a.m.
June 27 — Hunter, 100 yards, 9 a.m.
July 10 — Louisiana State Hunter Championship, 9 a.m.
July 11 — Louisiana State Hunter Championship, 9 a.m.
Aug. 22 — Hunter, 100 yards
Sep. 4 — Heavy Varmint, 9 a.m.
Sep. 5 — Hunter, 9 a.m.

MIDLAND SHOOTERS, INC., Midland, Texas. Contact Howard Scott, Box 7904, Midland, Texas 79703

July 3 — Gulf Coast Regional Sporter Championship
July 4 — Gulf Coast Regional Light Varmint Championship
July 5 — Gulf Coast Regional Unlimited Championship

NAVARRO GUN CLUB, Corsicana, Texas. Contact Robert Hull, Box 488, Corsicana, Texas 75110

SAN ANGELO GUN CLUB, San Angelo, Texas. Contact Buster Reed, 2409 Waco, San Angelo, Texas 76901

SOUTHWEST LOUISIANA RIFLE AND PISTOL CLUB, Lake Charles, Louisiana. Contact James Neal, Jr., 1203 California, Lake Charles, LA 70605 (318) 477-6440

May 16 — Hunter, 100 yards, 9 a.m.
July 18 — Hunter, 100 yards, 9 a.m.
Aug. 15 — Hunter, 9 a.m.
Oct. 17 — Hunter, 9 a.m.

NORTHWESTERN REGION

TRI-COUNTY GUN CLUB, Sherwood,Oregon. Contact Tom Terry 1751 SW Turner Road, West Linn, OR 97068,(503) 638-5152

May 15 — Light Varmint, 100 and 200 yards
May 16 — Light Varmint, 300 yards
Jun. 5 — Oregon State Sporter Championship
Jun. 6 — Oregon State Heavy Varmint Championship
July 10 — Oregon State Light Varmint Championship
July 11 — Northwestern Regional Sporter Championship
Aug. 7 — Heavy Varmint
Aug. 8 — Oregon State Hunter Championship

SNOW SHOE GUN CLUB, Kenai, Alaska. Contact Don Long, PO Box 125, Kenai, Alaska 99611

May 22 — Hunter
June 26 — Hunter
July 17 — Northwestern Regional Hunter Championship
Aug. 7 — Alaska State Hunter Championship

ENTIAT BENCH REST CLUB, #2 Canyon, Wenatchee, Washington. Contact Bill Small, Star Route, Box 4360, Entiat, WA 98822

May 9 — Hunter
June 13 —Hunter
July 25 — Hunter
Aug. 15 — Hunter

PUGET SOUND BENCHREST RIFLE CLUB, Issaquah, Washington. Contact Bill Crosby, PO Box 125, Edmonds, WA 98020 (206) 774-4730

May 1 — Five-shot Unlimited
May 2 — Washington State Unlimited Championship
May 29 — Sporter or Light Varmint, Heavy Varmint or Unlimited, 5-shot, 100 yards
May 30 — Sporter or Light Varmint, Heavy Varmint or Unlimited, 5-shot, 200 yards
May 31 — Sporter or Light Varmint, Heavy Varmint or Unlimited, 5-shot, 300 yards (300-yard shot at Bellingham, WA)
June 19 — Washington State Light Varmint Championship
June 20 — Washington State Heavy Varmint Championship
July 17 — Northwestern Regional Unlimited Championship, 100/200 yards
July 18 — Northwestern Regional Unlimited Championship, 300 yards. Shot at Bellingham, WA.
July 18 — Hunter, Issaquah, WA
Aug. 28 — Hunter
Aug. 29 — Washington State Sporter Championship
Sep. 4 — Northwestern Regional Light Varmint Championship
Sep. 5 — Northwestern Regional Heavy Varmint Championship

NORTH CENTRAL REGION

CEDAR RAPIDS BENCHREST CLUB, Cedar Rapids, Iowa. Contact Ed Kvarda, 2406 Ellis Blvd., N.W., Cedar Rapids, IA 52405 (319) 396-0017

May 16 — Light Varmint, Heavy Varmint, 100 yards
June 27 — Light Varmint, Heavy Varmint 100 yards
July 25 — Light Varmint, Heavy Varmint, 100 yards
Aug. 29 — Light Varmint, Heavy Varmint, 100 yards
Sep. 12 — Light Varmint, Heavy Varmint, 100 yards
Oct. 3 — Light Varmint, Heavy Varmint, 100 yards

WILTON RIFLE CLUB, Miscatine, Iowa. Contact Dennis Shepard, 12 Debbie Ave., Muscatine, IA 52761 (319) 264-3909

Sep. 26 — Light Varmint, Heavy Varmint, 100 yards
Oct. 17 — Light Varmint, Heavy Varmint, 100 yards

MINNETONKA GAME AND FISH CLUB, St. Francis, Minnesota. Contact Don Judd, 645 20th Ave., N.W., New Brighton, MN 55112 (612) 633-6799

May 22 — Sporter, Unlimited
May 23 — Heavy Varmint
July 3 — Light Varmint
July 4 — Heavy Varmint
July 5 — Hunter
Aug. 21 — Minnesota State Sporter Championship
Aug. 22 — Minnesota State Unlimited Championship
Sep. 18 — Minnesota State Light Varmint Championship
Sep. 19 — Minnesota State Heavy Varmint Championship

PRAIRIE DOG TARGET CLUB, Porcupine, South Dakota. Contact Don Deckert, Porcupine, SD 57772 (605) 288-1919.

June 5 — Heavy Varmint
June 6 — North Central Regional Sporter Championship
July 3 — Heavy Varmint
July 4 — South Dakota State Light Varmint Championship
Aug. 14 — Heavy Varmint
Aug. 15 — South Dakota State Heavy Varmint 200/300-yard Championship
Sep. 4 — Light Varmint
Sep. 5 — South Dakota State Heavy Varmint 100/200 yard Championship

ATCHINSON RIFLE CLUB, Cooperstown, North Dakota. Contact Richard Reiten, PO Box 589, Cooperstown, ND 58425 (701) 797-2668

June 12 — Light Varmint
June 13 — Heavy Varmint

COUNCIL BLUFF RIFLE AND PISTOL CLUB, Council Bluff, Iowa. Contact Bob Dodd, 7725 S. 39th Ave., Omaha, Nebraska 68147 (402) 733-6555

June 12 — Light Varmint
June 13 — Heavy Varmint
Aug. 7 — Heavy Varmint
Aug. 8 — Iowa State Sporter Championship
Sep. 18 — Iowa State Light Varmint Championship
Sep. 19 — Iowa State Heavy Varmint Championship
Oct. 16 — Light Varmint
Oct. 17 — Heavy Varmint

DAKOTA BENCHREST SHOOTERS CLUB, Sioux Falls, South Dakota. Contact Jack Backer, 1519 S. Euclid, Sioux Falls, SD 51205 (605) 338-4118

June 19 — South Dakota State Unlimited Championship
June 20 — South Dakota State Sporter Championship
July 17 — Light Varmint
July 18 — Heavy Varmint
Sep. 11 — North Central Regional Light Varmint Championship
Sep. 12 — North Central Regional Heavy Varmint Championship

RIVER CITY RIFLE AND PISTOL CLUB, Mason City, Iowa, Contact Dean Kramer, 1042 Manor Dr., Mason City, IA 50401 (515) 423-6533

July 11 — Heavy Varmint

SOUTHWESTERN REGION

ARIZONA BENCHREST SHOOTERS, Phoenix, Arizona. Contact Nancy Miller, 7221 W. Angela, Peoria, Arizona 85345, (602) 979-5764.

Oct. 2 — Light Varmint
Oct. 3 — Heavy Varmint

CARSON RIFLE AND PISTOL CLUB, Carson City, Nevada. Contact Gordon Brownlee, 1309 Camille Dr., Carson City, Nevada 89701, (702) 883-1071

May 2 — Hunter
June 20 — Heavy Varmint
Aug. 29 — Hunter
Sep. 26 — Nevada State Hunter Championship

DESERT SPORTSMAN'S RIFLE AND PISTOL CLUB, Las Vegas, Nevada. Contact Betty Heimer, 26a74 Sorrel St., Las Vegas, Nevada 89102, (702) 873-2976.

May 8 — Nevada State Heavy Varmint Championship
May 9 — Nevada State Unlimited Championship

SOUTHERN UTAH BENCHREST ASSOCIATION, St. George, Utah. Contact Jim Sommer, 1263 W. 750 N., St. George, Utah 84770, (801) 673-9562

June 26 — All Classes, night shoot, 7 p.m.
Sep. 18 — Utah State Heavy Varmint Championship
Sep. 19 — Utah State Unlimited Championship and Heavy Varmint
Oct. 9 — Southwest Regional Heavy Varmint Championship
Oct. 10 — Southwest Regional Unlimited Championship and Heavy Varmint
Nov. 20 — Southwest Regional Sporter Championship
Nov. 21 — Southwest Regional Light Varmint Championship

VISALIA SPORTSMAN'S ASSOCIATION, Visalia, California. Contact Dennis Thornbury, 1114 S. McAuliff Road, Visalia, CA 93277 (209) 732-4401.

May 15 — California State Unlimited Championship
May 16 — Heavy Varmint
June 5 — Sporter
June 6 — Heavy Varmint
Sep.4 — California State Sporter Championship
Sep.5 — California State Light Varmint Championship
Sep. 6 — California State Heavy Varmint Championship. Bench rotation at this match.
Oct. 23 — Visalia Invitational, 5-shot clsses
Oct. 24 — Visalia Invitational, 5-shot classes

Continued on Page 24

KELBLY'S
Sept. 5-6-7

James Burdette had a nice Labor Day weekend at Kelbly's Range. He had to labor some in winning two of the three Eastern Regional championships but it was a labor of love.

He captured both the Sporter and Light Varmint titles, winning one by a good-sized margin and the other edging out the title by .0044. Burdette, Livonia, MI, used his 6PPC Atkinson barrel with Hall action and Leupold 36X scope all the way, loading 28 grains of H-322 with Watson 62.5-grain bullets. He led all the way in winning the Sporter Championship for a .2660 Grand. In the Light Varmint, he was second at 200 yards with a .2393 to edge out Dave Riegel in the Grand. Gary Ocock was the leader at 100 yards and Jim Federowich led the shooters at 200 yards.

Jim Wakley, East Palestine, OH, won the Heavy Varmint Championship. He was first at 100 yards and sixth at 200 to edge Gary Conaway in the Grand. Wakley fired a 6PPC Hart barrel with a sleeved Remington action and Leupold-Siebert 30X scope. He loaded 27 grains of H-322 with Girard 68-grain bullets.

Stan Buchtel, Akron, OH, was the winner at 200 yards in the Heavy Varmint championship. He was fourth in the Grand.

Sporter, 54 entries, 100 yards: 1- Burdette, .228; 2- Glenville Hess, .255; 3- Tom Minder, .265; 4- Bill Gammon, .277; 5- Ferris Pindell, .278; 6- James Schults, .255. SG- Lowell Hottenstein, .139. 200 yards: 1- Burdette, .304; 2- Hottenstein, .320; 3- Pindell, .324; 4- Dave Riegel, .325; 5- Richard Schussler, .332; 6- Wes Irvin, .338. SG- Phil Sauer, .219. Grand: 1- Burdette, .266; 2- Pindell, .301; 3- Riegel, .3088; 4- Hottenstein, .3105; 5- Minder, .3244; 6- Schussler, .3274.

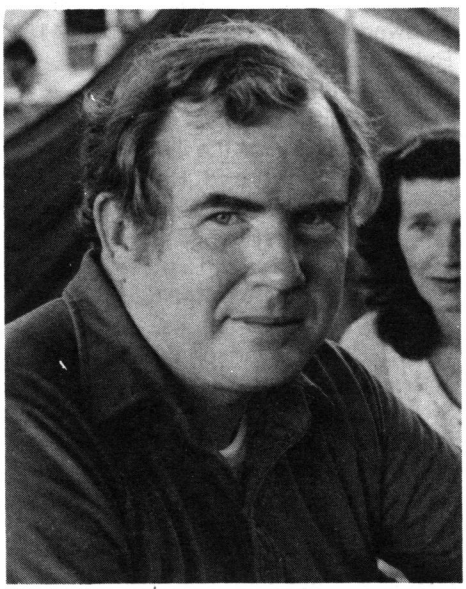
Light Varmint, 54 entries, 100 yards: 1- Ocock, .2292; 2 Pindell, .2310; 3- Schults, .2332; 4- Riegel, .2590; 5- Gammon, .2628; 6- Buchtel, .2634. SG- Jim Fedorowich, .107. 200 yards: 1- Fedorowich, .2162; 2- Burdette, .2393; Riegel, .2578; 4- Schussler, .2736; Harry Brown, .2753; 6- Ted Corder, .2828. SG- Riegel, .283. Grand: 1- Burdette, .2540; 2- Riegel, .2584; 3- Ocock, .2691; 4- Fedorowich, .2738; 5- Brown, .2913; 6- Hottenstein, .2940.

Heavy Varmint, 71 entries, 100 Yards: 1- Wakley, .2138; 2- Conaway, .2140; 3- Corder, .2466; 4- Glenville Hess, .2650; 5- Irvin, .2766; 6- Minder, .2812. SG- Wakley, .115. 200 yards: 1- Buchtel, .2412; 2- Ocock, .2568; 3- Cyril Batten, .2589; 4- Gary Hayes, .2610; 5- Gammon, .2847; 6- Wakley, .2964. SG- Hayes, .275. Grand: 1- Wakley, .2551; 2- Conaway, .2602; 3- Ocock, .2816; 4- Buchtel, .2904; 5- Batten, .2930; 6- Hess, .3008.

NOT TOO EARLY TO THINK ABOUT NATIONAL CHAMPIONSHIPS

BIG GUN TROPHIES

. . . AND HE'S GOT HIS EYES ON ALL OF THEM



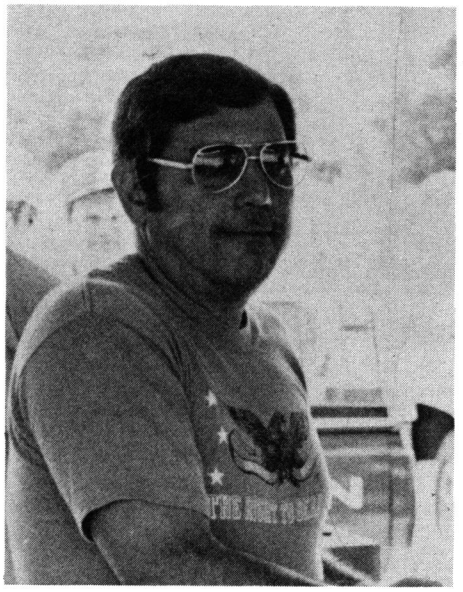
Jeff Fowler

Sporter/Varmint trophies

LANGLINAIS, GERACI WINNERS IN LOUISIANA STATE CHAMPIONSHIPS

Louis Langlinais and Don Geraci were the winners in the Louisiana State Light Varmint and Heavy Varmint Championships, March 13-14 at the Hub City Rifle and Pistol Club and are running neck-and-neck for the State Three Gun title.

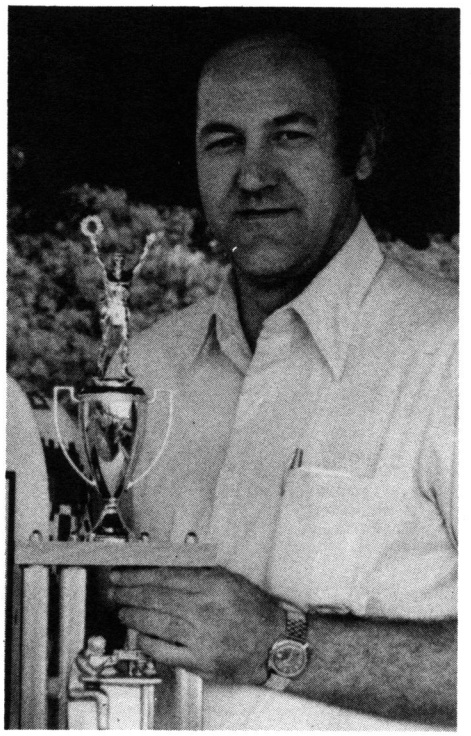
Geraci, Metairie, LA, captured the Light Varmint crown, taking first at 100 yards and fifth at 200. His fine .2398 at 100 yards on groups of .213, .217, .252, .215 and .302 really did the job for him. Ralph Council, Houston, TX fired a fine .4105 to win the 200-yard match. Geraci fired a .22PPC McMillan barrel with a sleeved 700 action and Leupold 36X scope, along with 28 grains of 4895 and Berger 52-grain bullets.



Don Geraci

Langlinais, Lafayette, LA, took the 200 yard with an excellent .3442 and finished third at 100 in his Heavy Varmint Championship. He fired groups of .672, .412, .514, 1.204 and .690 in taking the 200. Marcy Lyons was the winner at 100 yards, firing a very good .2014 on groups of .223, .173, .274, .165 and .172. He finished fifth at 200 yards and second behind Langlinais in the Grand. Geraci was third in the Grand. Langlinais used a 6PPC Hart barrel with a Wichita action and Leupold 36X scope. He loaded 27.4 grains of H-322 with Metzger 70-grain bullets.

Weldon Laviolette, Lafayette, LA, firing in his first varmint match was fourth at 100 yards in the Light Varmint with a .2782. Jim Broussard, Baton Rouge, LA, was third at 100 in the Light Varmint.



Louis Langlinais

Competition for sixth place in the Light Varmint Grand was very close with sixth being taken by Mike Guillot with a .4180, followed by Bill Massey with a .4181, Ralph Council with a .4183 and Laviolette with a .4185.

The Louisiana State Sporter will be fired on July 11 for the Three Gun Title. After the Light and Heavy Varmint matches, Don Geraci is leading with a .3351, followed by Langlinais with .3414; Lyons with .3413, Ray Burnet with .4028, Walter Carraway wth .4216.

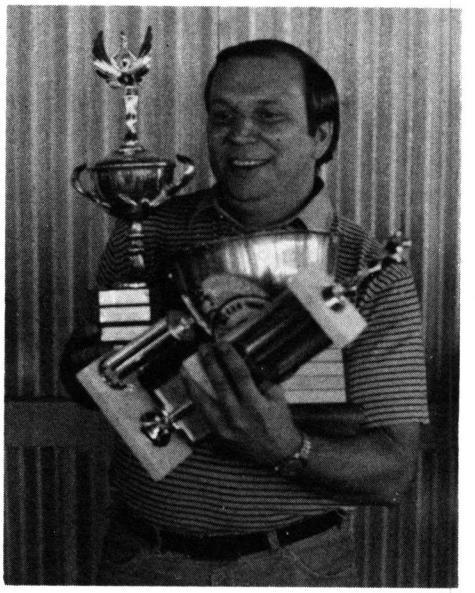
Light Varmint, 27 entries, 100 yards: 1- Geraci, .2398; 2 Judson White, .2488; 3- J. Broussard, .2712; 4- Laviolette, .2782; 5- Lyons, .2796. SG- White, .086. 200 yards: 1- Council, .4105; 2- Brunet, .4264; 3- Langlinais, .4396; 4- Lyons, .4440; 5- Geraci, .4404. SG- Lyons, .421. Grand: 1- Geraci, .3401; 2- Lyons, .3598; 3- Brunet, .3640; 4- Langlinais, .3687; 5- Carraway, .3856.

Heavy Varmint, 25 entries, 100 yards: 1- Lyons, .2014; 2- Geraci, .2340; 3- Langlinais, .2788; 4- Brunet, .2916; 5- Mike Guillot, .3268. SG- Guillot, .154. 200 yards: 1- Langlinais, .3492; 2- Scott Hunter, .4073; 3- Geraci, .4259; 4- White, .4412; 5- Lyons, .4512. SG- Hunter, .376. Grand: 1- Langlinais, .3140; 2- Lyons, .3263; 3- Geraci, .3300; 4- Hunter, .3715; 5- White, .4247.

Weighing-In For Benchrest

Bench rest shooting is good for your health, as any fool knows. But did you know it is of particular interest to those who are calorie conscious? Here are some calorie burning activities, and the number of calories used per hour.

Beating around the bush	75
Looking through scope	75
Looking through scope with heavy mirage	250
Swallowing your pride	50
Racing against time	300
Racing against time with 30 sconds left	500



Ron is counting calories.

Throwing your weight around (depending on weight)	50-300
Changing load	10
Changing load in middle of match	100
Fishing for compliments	50
Tooting your own horn	25
Running around in circles	100
Jumping at conclusions	100
Chewing nails	200
Pushing your luck	250
Guiding fifth shot into group	300
Jumping on the bandwagon	200
Patting yourself on the back	25
Juggling trophies	10
Juggling trophies (championship)	30
Adding fuel to the fire	
Finishing match without disqualification	900

PROGRAM

1982 NBRSA HUNTER RIFLE CHAMPIONSHIP

St. Louis Benchrest Club
Bridgeton, Missouri
September 11, 12, 1982

SEPTEMBER 11: One warmup match and five record matches at 100 yards.

SEPTEMBER 12: One warmup match and five record matches at 200 yards.

CHAMPIONSHIP AGGREGATES: The total of five record matches at 100 yards will determine the 100 yard NBRSA National Champion and the total of five record matches at 200 yards will determine the 200 yard NBRSA National Champion. The total of the 100 yard and 200 yard record matches will determine the grand aggregate NBRSA National Champion.

RULES: Current NBRSA rules on Hunter Rifle competition will be in force. All competitors must be members of the NBRSA.

FEES: $24.00 for two day competition.

TROPHIES AND AWARDS: National Championship Trophy. Trophies will be awarded for the first five places for each range aggregate and the first ten places in the grand aggregate; most Xs at 100 yards, 200 yards and grand aggregate; and junior trophy. Top Twenty patches awarded to the twenty leading competitors in the grand aggregate. Lariat ties for match winners. National Championship patches awarded to the 100 yard, 200 yard and grand aggregate winners.

ACCOMMODATIONS: Regal 8 Inn (314) 291-6100, Red Roof Inn (800) 848-7878, Holiday Inn West (800) 325-1395. Motels are located at the intersection of Hy. 270 and St. Charles Rock Rds.

FACILITIES: Eighteen covered benches with covered loading area. Limited electrical outlets and water for campers.

RANGE LOCATION

Follow St. Charles Rock Rds. west for 2.9 miles, turn right at bridge for 1.2 miles then turn left at railroad tressel. The range will be open on Sept. 10 from 9 AM to 4 PM.

OFFICIAL PREREGISTRATION FORM
NBRSA HUNTER RIFLE NATIONALS
ST. LOUIS BENCHREST CLUB

BRIDGETON, MISSOURI
SEPTEMBER 11, 12, 1982

ENTRY FEE: $24.00

Send entries and checks to:

Richard Griffin
2 Country Farm Blvd.
St. Peters, Mo. 63376
(314) 278-2586

Make checks payable to:

St. Louis Benchrest Club

You are required to be an NBRSA member to participate.

Preregistration is required at least 30 days prior to match. $10.00 penalty for late registration. Total refund if not present.

I do hereby release the St. Louis Benchrest Club and the NBRSA, Inc. along with their officials from any and all claims for liability and damage that may or might be sustained by virtue of my participation in this rifle match conducted by the above organizations.

SIGNATURE _____ DATE _____

NAME (please print or type) _____

STREET _____

CITY _____ STATE _____ ZIP _____

EQUIPMENT DATA

CALIBER ____ ACTION _____ SCOPE _____ POWDER _____

BARREL MAKER _____ LENGTH ___ DIAMETER ___ TWIST _____

GUNSMITH _____ STOCKER _____ WEIGHT _____

CASE ___ LOAD _____ BULLET MAKER _____ PRIMER _____

NBRSA Match Schedule

Continued from Page 20

MISSISSIPPI VALLEY REGION

B & R GUN CLUB, Westfield, Indiana. Contact Bill Gwin, 2302 State Road 38 East, Westfield, Indiana 46074, (317) 877-3108.

June 12 — Light Varmint
June 13 — Heavy Varmint
Sep. 4 — Light Varmint
Sep. 5 — Heavy Varmint

BEESON'S RANGE, Etna Green, Indiana. Contact Jim Beeson, RR1, Etna Green, Indiana 46524, (219) 353-7964.

May 1 — Light Varmint
May 2 — Heavy Varmint
June 5 — Mississippi Valley Regional Light Varmint Championship
June 6 — Mississippi Valley Regional Sporter Championship
July 3 — Indiana State Light Varmint Championship
July 4 — Indiana State Heavy Varmint Championship
July 5 — Indiana State Sporter Championship

EGYPTIAN RIFLE AND PISTOL CLUB, Carbondale Illinois. Contact Marvin Voss, RR 1, Dedar Lane 15, Carbondale, Ill. 62901

June 13 — Heavy Varmint, 9 a.m.
Sep. 19— Heavy Varmint, 9 a.m.

ST. LOUIS BENCHREST RIFLE CLUB, St. Louis, Missouri. Contact Art Freund, 1038 Hornsby Ave., St. Louis, Missouri 63147, (314) 388-1352.

May 15 — Light Varmint, 4:30 p.m.
May 16 — Heavy Varmint, 9 a.m.
June 5 — Sporter, 100/200/300 yards, 1 p.m.
June 6 — Light Varmint, 9 a.m.
July 10 — Mississippi Valley Unlimited Championship, 1 p.m.
July11 — Mississippi Valley Heavy Varmint Championship, 9 a.m.
Aug.14 — Five-shot Unlimited, 4:30 a.m.
Aug. 15 — Sporter, 9 a.m.
Sep.4 — Heavy Varmint, 4:30 p.m.
Sep.5 — Light Varmint, 9 a.m.
Oct. 16 — Sporter, 4:30 p.m.
Oct. 17 — Unlimited, 9 a.m.

SOUTHEASTERN REGION

No warm-up matches will be fired in Southeastern Region matches in 1982. The three-minute period rules has been adopted and will be in effect in all matches. Everyone is expected to be "on paper" before the first record match is fired.

BLACK CREEK GUN CLUB, INC., Harsville, South Carolina 29550

BRUNSWICK GUN CLUB, Lawrenceville, Virginia. Contact Dickie Delbridge, P.O. Box 315, Lawrenceville, Virginia 23868. (804) 577-2171.

BUCCANEER GUN CLUB, Wilmington, North Carolina. Contact Don Sloop, 306 Bragg St., Wilmington, NC 28403. (919) 799-4627.

Oct. 23 — Buccaneer Invitational, 100 yard Light Varmint and Heavy Varmint
Oct. 24 — Buccaneer Invitational, 100 yard Sporter

CHARLOTTE RIFLE AND PISTOL CLUB, Charlotte, North Carolina. Contact Jack Nuyen, 3329 Denson Dr., Charlotte, NC 28215. (704) 537-5072.

FAYETTE COUNTY GUN CLUB, INC., Fayette, Alabama. Contact Charles Lahay, 131 14th Court, Fayette, AL 35555. (205) 932-3684.

Nov. 13 — Alabama State Light Varmint and Heavy Varmint Championships, 200 yards
Nov. 14 — Alabama State Light Varmint and Heavy Varmint Championships, 100 yards

GALLATIN GUN CLUB, Gallatin, Tennessee. Contact Frank Allison, Rt. 6, Earhart Rd., Mt. Juliet, Tennessee 37122, (615) 883-0163

May 1 — Musiic City Invitational. Light Varmint and Heavy Varmint, 200 yards
May 2 — Music City Invitational. Sporter and Unlimited, 200 yards
Sep. 18 — Southeastern Regional Heavy Varmint and Unlimited Championships, 100 yards
Sep. 19 — Southeastern Regional Heavy Varmint and Unlimited Championships, 200 yards

GEORGIA BENCHREST SHOOTERS, Athens, Georgia. Contact O. M. Dodgen, 150 Bishop Dr., Athens, GA 30606. (404) 546-6810.

GREENVILLE GUN CLUB, INC., Greenville, South Carolina. Contact Ed Watson, 2404 Wade Hampton Blvd., Greenville, SC 29615. (803) 244-7948

Oct. 9 — South Carolina State Light Varmint and Heavy Varmint Championships, 100 yards
Oct. 10 — South Carolina State Sporter and Unlimited Championships, 100 yards

IZAAK WALTON BENCHREST CLUB, Midlothian, Virginia. Contact Dennis Glazener, 300 Manakin Road, Midlothian, VA 23113

JACKSON COUNTY SHOOTING CLUB, Sylva, North Carolina. Contact James Messer, Box 2, Webster, NC 28788. (704) 586-5921

Jul. 17 — North Carolina State Light Varmint and Heavy Varmint Championships, 100 yards
Jul. 18 — North Carolina State Sporter and Unlimited Championships, 100 yards
Aug. 14 — Twi-Night Shoot, Light Varmint and Heavy Varmint, 100 yards, 4 p.m.

KETTLEFOOT ROD AND GUN CLUB, Bristol, Tennessee. Contact Claude Smith, 2325 Westfield, Bristol, VA 24201 (703) 669-6594

June 19 — Kettlefoot Invitational Light Varmint and Heavy Varmint, 100 yards
June 20 — Kettlefoot Invitational Light Varmint and Heavy Varmint, 200 yards
Aug. 21 — Tennessee Light Varmint and Heavy Varmint Championships, 100 yards
Aug. 22 — Tennessee Light Varmint and Heavy Varmint Championships, 200 yards

MAGIC CITY RIFLE AND PISTOL CLUB, Birmingham, Alabama. Contact Earl Case, 8 Ransom Road, Alton, AL 35015 (205) 833-7552.

MEMPHIS RIFLE AND REVOLVER ASSOCIATION, INC., Memphis, Tennessee. Contact George Busby, 3887 St. Elmo, Memphis, TN 38138 (901) 372-1728

MID-CAROLINA RIFLE CLUB, Columbia, South Carolina. Contact E. G. Bumgardner Jr., 1740 Windover Road, Columbia, SC 29204, (803) 786-0571

PALMETTO GUN CLUB, Goose Creek, South Carolina. Contact Tom McMillan, 5899 Mercia Lane, Charleston Heights, SC 29406

PEE DEE BENCHREST SHOOTERS, Timmonsville, South Carolina. Contact James Hancock III, 200 Downs Dr., Timmonsville, SC 29161 (803) 346-3397

PIEDMONT RIFLE AND PISTOL ASSOCIATION, Yadkinville, North Carolina. Contact Ed Hartman, P.O. Box 1088, Yadkinville, NC 27055. (919) 961-6676

May 15 — Southestern Regional Light Varmint and Sporter Championships, 200 yards
May 16 — Southeastern Regional Light Varmint and Sporter Championships, 100 yards

ROANOKE RIFLE AND REVOLVER CLUB, Roanoke, Virginia. Contact Ted Manning, 4533 Thirlane Road, Roanoke, VA 24019 (703) 362-8046

SPORTSMAN'S CLUB, INC., Dothan, Alabama. Contact Edward Sabo, Box 1724, Dothan, AL 36301 (205) 792-3505

TWIN CITY RIFLE AND PISTOL CLUB, Roanoke Rapids, North Carolina. Contact John Reber, 236 Old Farm Road, Roanoke Rapids, NC 27870

VOLUNTEER RIFLE AND PISTOL CLUB, Knoxville, Tennessee. Contact Nick Young, 2817 Magnolia Ave., Knoxville, TN 37914 (615) 966-7680

July 26 — NBRSA Unlimited National Championship, 100 yards
July 27 — NBRSA Unlimited National Championship, 200 yards
July 28 — NBRSA Sporter National Championship, 100 and 200 yards
July 29 — NBRSA Light Varmint National Championship, 100 and 200 yards
July 30 — NBRSA Heavy Varmint National Championship, 100 yards
July 31 — NBRSA Heavy Varmint National Championship, 200 yards

WATAUGA GUN CLUB, Boone, North Carolina. Contact James Coffey, Rt. 4, Box 400, Boone, NC 28607, (704) 264-8184

July 3 — Southeastern Regional Heavy Varmint Championships, 200 and 300 yards
July 4 — Southeastern Regional Heavy Varmint Championship, 100 yards
Sep. 4 — Southeastern Regional Light Varmint and Sporter Championships, 300 yards
Sep. 5 — Southeastern Regional Light Varmint and Sporter Championships, 200 yards
Sep. 6 — Southeastern Regional Light Varmint and Sporter Championships, 100 yards

WYOMING ANTELOPE CLUB, Clearwater, Florida. Contact John Jessip, 5180 113th Ave., Clearwater, FL 33520 (813) 576-6675 (office)

Nov. 27 — Florida State Light Varmint and Heavy Varmint Championships, 200 yards
Nov. 28 — Florida State Light Varmint and Heavy Varmint Championships, 100 yards

Southeastern Region Annual meeting, Saturday, December 4, 1982. Holiday Inn #3, 275 Smoky Park Highway, Ashville, NC 28806 (704) 667-4501. Time 1 p.m.

EASTERN REGION

CHIPPEWA RIFLE CLUB, Easton, Ohio. Contact Stan Buchtel, 5735 Sherwood Forest Dr., Akron, OH 44319. (216) 882-6877

Sep. 25 — Ohio State Unlimited and Heavy Varmint Championships.
Sep. 26 — Ohio State Unlimited and Heavy Varmint Championships.

CHIPPEWA COUNTY SHOOTING ASSOCIATION, Sault Ste. Marie, Michigan. Contact Joseph Haller, Rt. 1, Box 117, Nicolet Road, Sault Ste. Marie, Michigan 49783

July 11 — Ken Martell Memorial Shoot, Light Varmint and Heavy Varmint, 100 yards
Aug. 28 — Michigan State Light Varmint and Heavy Varmint Championships, 100 yards
Aug. 29 — Michigan State Light Varmint and Heavy Varmint Championships, 200 yards

KELBLY'S RIFLE RANGE, Marshallville, Ohio. Contact George Kelbly, 7222 Dalton Fox Lake Road, North Lawrence, Ohio 44666. (216) 683-4674

July 3 — Eastern Regional Unlimited, 10½-pound and Heavy Varmint Championships
July 4 — Eastern Regional Unlimited, 10½-pound and Heavy Varmint Championships
July 5 — Eastern Regional Unlimited, 10½-pound and Heavy Varmint Championships

REED'S RUN RIFLE RANGE, Augusta, Ohio. Contact Marie Brown, Box 66 Augusta, Ohio 44607

May 8 — Unlimited and Heavy Varmint
May 9 — Unlimited and Heavy Varmint
July 17 — Unlimited and Heavy Varmint
July 18 — Unlimited and Heavy Varmint
Sep. 11 — Thirtieth Anniversary Shoot, Unlimited and Heavy Varmint
Sep. 12 — Thirtieth Anniversary Shoot, Unlimited and Heavy Varmint

FAIRFIELD SPORTSMAN'S CLUB, Fairfield, Ohio. Contact Orlin Gilkerson, 4624 River Road, Fairfield, Ohio 45014

June 19 — Light Varmint
June 20 — Heavy Varmint
Oct. 9 — Unlimited
Oct. 10 — Heavy Varmint

KANE FISH AND GAME CLUB, Kane, Pennsylvania. Contact Dick Lockwood, Box 112, Kane, Pennsylvania 16735, (814) 837-6216

SHELBY COUNTY SPORTSMAN'S ASSOCIATION. Contact Phil Jones, 414 Summit Ave., Troy, Ohio 45373

Oct. 23 — Sporter and Heavy Varmint
Oct. 24 — Sporter and Heavy Varmint

NOTICE

All matches for the Colorado Bench Rest Shooters Assoc. have been cancelled for this season due to the range being closed for construction work. Plans are being made to shift some matches to other clubs in Colorado.

Issaquah
June 27

Ron Phipps, Tacoma, WA, was the winner in the Hunter match at Puget Sound Bench Rest Rifle Club. He was second at 200 yards and edged out Steve Kostanich, Chehalis, WA, 474-10X to 472-7X. Kostanich was the winner at 200 yards. John Alexander was the 100 yard winner.

Phipps fired a .308 Hart barrel with a Remington 600 action and Lyman 6X scope. He loaded 36 grains of 4895 with Nosler 150-grain bullets.

100 yards: 1- Alexander, 247-7X; 2- Bob Miller, 245-10X; 3- Del Springer, 243-6X. 200 yards: 1- Kostanich, 237-6X; 2- Phipps, 231-7X; 3- Manley Oakley, 215-8X. Grand: 1- Phipps, 474-10X; 2- Kostanich, 472-7X; 3- Sid Sato, 449-9X.

PROGRAM

1982 NBRSA NATIONAL CHAMPIONSHIPS

KNOXVILLE, TENNESSEE — JULY 26, 27, 28, 29, 30, 31, 1982

NO WARM-UPS! Three minute sight-in before each class at each range!

First match of each day will be fired at 8 am EDT!

July 26: UNLIMITED — Sight-in plus Eight 10-shot record matches at 100 yards for aggregates.
July 27: UNLIMITED — Sight-in plus Eight 10-shot record matches at 200 yards for aggregates. Championship Aggregates: As per current NBRSA Rules.
July 28: SPORTER — Sight-in plus Five 5-shot record matches at 100 yards. Sight-in plus Five 5-shot record matches at 200 yards.
July 29: LIGHT VARMINT: — Sight-in plus Five 5-shot record matches at 100 yards. Sight-in plus Five 5-shot record matches at 200 yards.
July 30: HEAVY VARMINT — Sight-in plus Five 5-shot record matches at 100 yards. General membership meeting at the Range following day's events.
July 31: HEAVY VARMINT — Sight-in plus Five 5-shot record matches at 200 yards. **Championship Aggregates** as per current NBRSA Rules.

FEES: $15.00 each day of Competition. Complete program $90.00. Juniors — Half price.

TROPHIES AND AWARDS: Unlimited Class — Unlimited national Champion, the Whelan Trophy plus keeper from NBRSA. 100 yard Champion, the Speer Trophy with keeper from donor. Small group at 100 yards, the Hodgdon Trophy. Small group at 200 yards, the W. M. Brown Memorial Trophy. 200-yard Champion, the Sierra Trophy with keeper by donor.

SPORTER Champion: John I.Moore Trophy. **Light Varmint** Champion: San Angelo Cup. **Heavy Varmint** Champion: Gun Digest Trophy. **Three Gun Aggregate:** Field & Stream Trophy and Dr. Sam Nadler Trophy. Heavy Varmint Team Championship: Wm. S. Coleman Memorial Trophy. Junior Trophy. The host club will award trophies for Small Group, each class, each range; the top three places in all aggregates including the Three gun and to the top five places in the Four Gun All Class Aggregate. Lariat ties will be awarded to the winners of all record matches. Top Twenty patches will be awarded to the top twenty competitors in the Grand Aggregates of each class, the Three Gun Aggregate and the Four Gun All Class Aggregate. National Champion patches will be awarded in each class and each range.

ACCOMMODATIONS: By advance reservation only at the Prince & Pauper Motel. I-75 at Merchants Drive exit (#107). Deadline is Mar. 31, 1982, to submit reservation form as printed in magazine.

RANGE LOCATION: Exit I-75 at Merchants Drive, North on Central Avenue Pike 1 mile to Dry Gap Pike, right on Dry Gap to Rifle Range Road, right on Rifle Range Road to club entrance.

FACILITIES: Fifty covered concrete benches — Restrooms & Showers — Indoor loading area for 85-100; advisable to bring own loading table and tent fly. Limited (approximately 40) Camper-Trailer spaces with full electrical hook up. A flat rate $10 charge will apply on these and advance reservations will be accepted on a first come — first served basis when accompanied by $10 fee. You may come early, or stay after the match, to visit the World's Fair at no additional camping charge. Please specify date of arrival and, if possible, date of departure.

1982 WORLD'S FAIR: From May 1 thru October 31, 1982. Fair site is in downtown Knoxville, 5 miles south of range. Daily admission is: Adults $9.95; Children (4-11) $8.25.

OFFICIAL PREREGISTRATION FORM NBRSA 1982 NATIONALS

VOLUNTEER R&P CLUB
KNOXVILLE, TN
JULY 26, 27, 28, 29, 30, 31, 1982

Send entries to:

John Conger
Volunteer R&P Club
P.O. Box 5115
Knoxville, TN 37918

Make check payable to:
Volunteer R&P Club
$15 per day, $90 total

You are required to be an NBRSA member to participate.

Preregistration is required at least thirty days before date of matches. The NBRSA Board of Directors has authorized a $10 penalty for late registration. **Total refund if not present.**

Check the boxes for the class or classes you wish to shoot.

UNLIMITED ☐ SPORTER ☐ LIGHT VARMINT ☐
HEAVY VARMINT ☐

SIGNATURE _____ DATE _____

NAME (Please print or type) _____

STREET _____

CITY _____ STATE _____ ZIP _____

NBRSA World Records — As of Jan. 1, 1982

SINGLE GROUPS	Bench Rest Rifle	Heavy Varmint	Light Varmint	Sporter
5-100	.063″ Hap Zeizer 8/30/58	.027″ Ralph Landon 9/13/75	.009″ Mac McMillan 9/23/73	.041″ Jerry Thornbrugh 10/21/78
5-200	.161″ David Pickens 7/15/67	.108″ Earl Case 9/5/76	.109″ Stu Harvey 7/10/76	.110″ Tom Minder 7/4/81
5-300	.373″ Art Freund 7/11/81	.339″ Ed Watson 7/1/78	.490″ Nick Young 5/3/80	.548″ Charles Scott 6/10/78
10-100	.138″″ Ferris Pindell 8/27/69	— — —	— — —	— — —
10-200	.298″ Melvin Miller 7/20/68	— — —	— — —	— — —
10-300	.673″ Nick Young 6/24/79	— — —	— — —	— — —
AGGREGATES				
5-5-100	.1649 L. E. Wilson 5/12/81	.1629 Harvey Miller 9/4/78	.1977 Larry Earp 10/11/80	.1773 Jef Fowler 7/28/80
5-5-200	.2290 L. Engelbrecht 11/4/67	.1953 Larry Kuse 10/10/81	.2207 Walt Berger 6/25/77	.2147 Bill Webb 10/11/80
5-5-300	.2251 Art Freund 7/11/81	.3728 Bill Forrester 6/7/80	.3106 Earl Balmer 6/9/79	.2773 Lester Bruno 7/5/81
5-10-100	.2175 Art Freund 6/4/78	— — —	— — —	— — —
5-10-200	.2332 Don Geraci 9/5/81	— — —	— — —	— — —
5-10-300	.4248 Herb Stark 5/31/70	— — —	— — —	— — —
GRAND AGGREGATES				
5-5 (100 + 200)	.2275 Bud Carden 11/4/67	.2060 Marvin Whiles 9/8/79	.2414 Walt Berger 6/25/77	.2239 Ed Watson 9/1/79
5-5 (200 + 300)	.2578 Art Freund 7/11/81	.4098 Bill Forrester 6/7/80	.3409 Gene Harwood 6/14/80	.3357 Ed Watson 5/4/80
5-10 (100 + 200)	.2563 Al Roberts 8/11/62	— — —	— — —	— — —
5-10 (200 + 300)	.4419 Herb Stark 5/31/70	— — —	— — —	— — —

100 yards
250-15X
Francis Broussard
7/10/77

Marcy Lyons
10/1/78

HUNTER
100 yards
248-12X
Wayne Corley
6/21/81

Grand Aggregate
495-24X
Wayne Corley
6/21/81

Ten shot groups or aggregates are no longer contested in any of the Varmint or Sporter classes.

This data provided by J. C. Malsby, Chairman, NBRSA Measuring Committee.

NBRSA OFFICERS

Tom Metzger, President
10507 Thames Dr. (804) 741-3456
Richmond, Virginia 23233

Walt Berger, Vice President
4234 N. 63rd Ave. (602) 846-5791
Phoenix, Arizona 85003

EASTERN REGION

George Kelbly, Director
7222 Dalton Fox Lake Road (216) 683-4674
N. Lawrence, Ohio 44666

Phil Sauer, Deputy Director
2481 Edsel Dr. (313) 676-0595
Trenton, Michigan 48183

Orlin Gilkerson, Deputy Director
4624 River Road (513) 863-8545
Fairfield, Ohio 45014

GULF COAST REGION

Howard Dietz, Director
Star Route 1, Box 65 (512) 885-4662
New Braunfels, Texas 78130

MID-CONTINENT REGION

Don Creach, Director
4605 E. 114th Terr. (816) 763-9273
Kansas City, Missouri 64137

MISSISSIPPI VALLEY REGION

James Beeson, Director
R. R. No. 1 (219) 353-7964
Etna Green, Indiana 46524

NORTH CENTRAL REGION

Ron Wyman, Director
832 12th Ave., SE
Forest Lake, Minnesota 55025

NORTHWEST REGION

Gene Harwood, Director
141 Allendale Dr. (503) 397-2249
St. Helens, OR 97051

SOUTHEASTERN REGION

Ed Watson, Director
2404 Wade Hampton Blvd. (803) 244-7948
Greenville, South Carolina 29615

SOUTHWESTERN REGION

Harvey Miller, Director
655 Dutton Avenue (415) 568-2447
San Leandro, California 94577

SECRETARY-TREASURER

Stella Buchtel
5735 Sherwood Forest Drive (216) 882-6877
Akron, Ohio 44319

RECORDS COMMITTEE

J. C. Malsby, Chairman
9922 Mercier (816) 942-7961
Kansas City, Missouri 64114

NBRSA NEWS

Robert Morris, Editor
11300 Melody Dr., Apt. 207 (303) 450-0617
Northglenn, CO 80234

IBS TENTATIVE 1982 VARMINT SCHEDULE

May 8 — EBSA New Jersey
100 HB State Champ
100 HV (Non titled)

May 15-16 — Camillus Sportsmen Club
100-200 HV/LV

May 15-16 — Brunswick Gun Club Va.
100-200 HV/LV

June 12-13 — Mainville Sporstmen Club
100-200 HB/HV/LV

June 19-20 — Brunswick Gun Club
100-200 HB/HV/LV

June 19-20 — Brunswick gun Club
100-200 HB/HV/LV

June 26-27 — Painted Post Field & Stream
100-200 Meters
HB/HV/LV N.Y. Met. Champ

July 3-4 — South Creek Rod & Gun Club
100-200 HV/LV
Pa. State Champ.

July 10-11 — Council Cup
100-200 HB/HV/LV

July 17-18
200-300 IBS Champ.

July 24-25 — Painted Post Field & Stream
100-200 Meters
HB/LV/HV

July 31-1 — Camillus Sportsmen Club
100-200 HV/LV
N.Y. State Champ.

Aug. 7-8 — Council Cup
100-200 HV/LV

Aug. 18-19-20-21 — Kelbly's Rifle Range
100-200 HB/HV/LV
IBS Championship

Sept. 11-12 — Va. Chapter #1 IWLA
100 HB/HV/LV

Sept. 11-12 — Pine Tree Rifle Club
100-200 HV/LV

Sept. 25-26 — EBSA New Jersey
100 HV-25th LV-26th
N.J. Championship

Oct. 9-10 — Brunswick Gun Club
100-200 HV/LV

Joseph E. Higgins
Match Schedule Chairman

IBS Tentative Hunter 1982 Schedule

May 2 — Sulphyr Springs
100 Hunter HV/LV for Score

May 2 — Thurmont Conservation and Sportsmans Club
Hunter Class only. 100 yds.

May 9 — Mainville
200 Hunter HV/LV for Score

May 15 — Factoryville
100 Hunter HV/LV for Score

May 16 — IWLA York
100 Hunter

May 23 — Sulphyr Springs
100 Hunter HV/LV for Score

May 30 — Mainville
100 Hunter HV/LV for Score

June 5 — Factoryville
100 Hunter HV/LV for Score

June 6 — Sulphyr Springs
100 Hunter HV/LV for Score

June 6 — Thurmont Conservation and Sportsmans Club
Hunter Class only. 100 yds.

June 20 — IWLA York
200 Hunter

June 27 — Mainville
300 Hunter HV/LV for Score
(unregistered)

July 7 — Thurmont Conservation and Sportsmans Club
Hunter Class only. 100 yds.

July 17-18 — IWLA York
100-200 Pa. State Champ.

Aug. 1 — Sulphyr Springs
100 Hunter HV/LV for Score

Aug. 8 — Thurmont Conservation and Sportsmans Club
Hunter Class only. 100 yds.

Aug. 14 — Factoryville
100 Hunter HV/LV for Score

Aug. 15 — IWLA York
100 Hunter York Co. Champ.

Aug. 28 — EBSA
100 Hunter N.J. State Champ.
HV for Score

Sept. 12 — Sulphyr Springs
100 Hunter HV/LV for Score

Sept. 12 — Thurmont Conservation and Sportsmans Club
Hunter Class only. 100 yds.

Sept. 18-19 — Mainville
100-200 IBS Championship

Oct. 3 — Sulphyr Springs
100 Hunter

Oct. 3 — Thurmont Conservation and Sportsmans Club
Hunter Class only. 100 yds.

Oct. 10 — Mainville
100 Hunter HV/LV for Score

Oct. 17 — IWLA York
100 Hunter

Oct 24 — Mainville
100 Hunter HV/LV for Score

Nov. 7 — Mainville
100 Hunter HV/LV for Score

INTERNATIONAL BENCHREST SHOOTERS APPLICATION

Name .....

Address .....

City ..... State..... Zip.....

IBS MEMBERSHIP

( ) IBS membership and PS for one year — $15.00

( ) Associate member (no magazine) other members of same house hold — $4.00

( ) Junior member (no magazine) under age 16 — $2.00

( ) Club Affiliation and PS for one year — $15.00

( ) New ( ) Renewal

MAIL MEMBERSHIP TO:
EVELYN RICHARDS
411 N. Wilbur Ave., Sayre, Pa. 18840

For membership make checks payable to IBS.

PRECISION SHOOTING SUBSCRIPTION

( ) Precision Shooting. one year — $9.00

( ) Precision Shooting. two years — $16.00

( ) Precision Shooting. outside U.S. & Canada — $12.00 each year

SUBSCRIPTION CHECKS NOT DRAWN ON AN AMERICAN BANK WILL BE RETURNED.

( ) New ( ) Renewal

MAIL PRECISION SHOOTING MAGAZINE SUBSCRIPTION TO:
PRECISION SHOOTING
133 State St., Augusta, Maine 04330

For subscription ONLY make checks payable to Precision Shooting.

TRADING POST

One man's "Junk" is another man's "Collector's Item!" Turn your surplus items into cash with a Trading Post ad.

Groups of figures, abbreviations and initials count as words. Hyphenated word counts as two words. Name and address of advertiser is counted. Use full words instead of initials and abbreviations and make your meaning entirely clear.

Classified type ads: no display. **Rates:** 15 cents per word per insertion, prepaid. Minimum charge is $1.50. Closing date for ads is the last Saturday of the month preceding publication.

REBLUEING, ANTIQUE RESTORATION, AND REPAIRS. (Specializing in Winchesters). Harry Hoffman/Gunsmith, RD 4, Box 438, Quarryville, PA 17566.

FOR SALE OR TRADE: Sinclair built H.V. 222 Rem. Sleeved 40X, Brown Stock, Hart barrel. $375.00 or trade for 40XB 7mm Mag. Call before 2:00 PM E.S.T. 419-588-2918.

FOR SALE OR TRADE: Pre 64 Mod. 70 standard weight 220 Swift. Metal near perfect. Stock altered with cheekpiece. Weaver 10X, Redfield mount. $550.00 or trade for Rem. 40X BR with 26″, 222 or 222 Mag barrel. Win. Mod. 52B heavy barrel, Vaver rear sight, perfect inside, excellent outside, unaltered $375.00. Leo Martin, 2028 Landon Ln #3, Sacramento, Cal. 95825, 916-481-8924 after 5.

FOR SALE: Rorschach bullet die owners; complete auto-eject assembly $40; S-shape lower plate for auto-eject, allows much more room for fingers $20. Keith Francis unused 17/225 Win finish reamer $40. RCBS 225 Win neck sizer $6. Dan Lilja, P.O. Box 1703, Belgrade, Montana 59714, 406-388-6588.

FOR SALE: 20,000 Winchester Jackets, 30 caliber - length 1.210 - 2½ cents. Jim Schipper, 30910 Saint Andrews Lane, Evergreen, Colorado 80439.

NEW FOR BENCH REST SHOOTERS

This vise has been fitted with new 3½″ flat fore-end rest to accommodate the bench rest guns. It is available in right and left hand models. When used as shown, all fear of scratching, marring, or dropping any of your prized rifles while cleaning, repairing or altering is eliminated. Neatly upholstered Naugehide covering the padding is all that comes in contact with the gun.

Shipping weight is 19 lbs. $34.95 plus shipping.
Wriite For Brochure **Phone Orders & COD's Accepted**

DECKER SHOOTING PRODUCTS

1729 Laguan Avenue **Schofield, Wisconsin 54476**

(715) 359-5873

HART RIFLE BARRELS, INC.

Stainless Steel Rifle Barrels

PRECISION STAINLESS STEEL MATCH TARGET BARRELS
AVAILABLE IN .224, 6MM, 6.5MM, 7MM,
.25 and .30 calibers, also .22 rim fire.

Gunsmithing services and complete custom target and sporting rifles available.

For prices and particulars, write:

Hart Rifle Barrels, Inc.

LaFayette, New York 13084, R.D. No. 2 **Telephone 315-677-9841**